

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

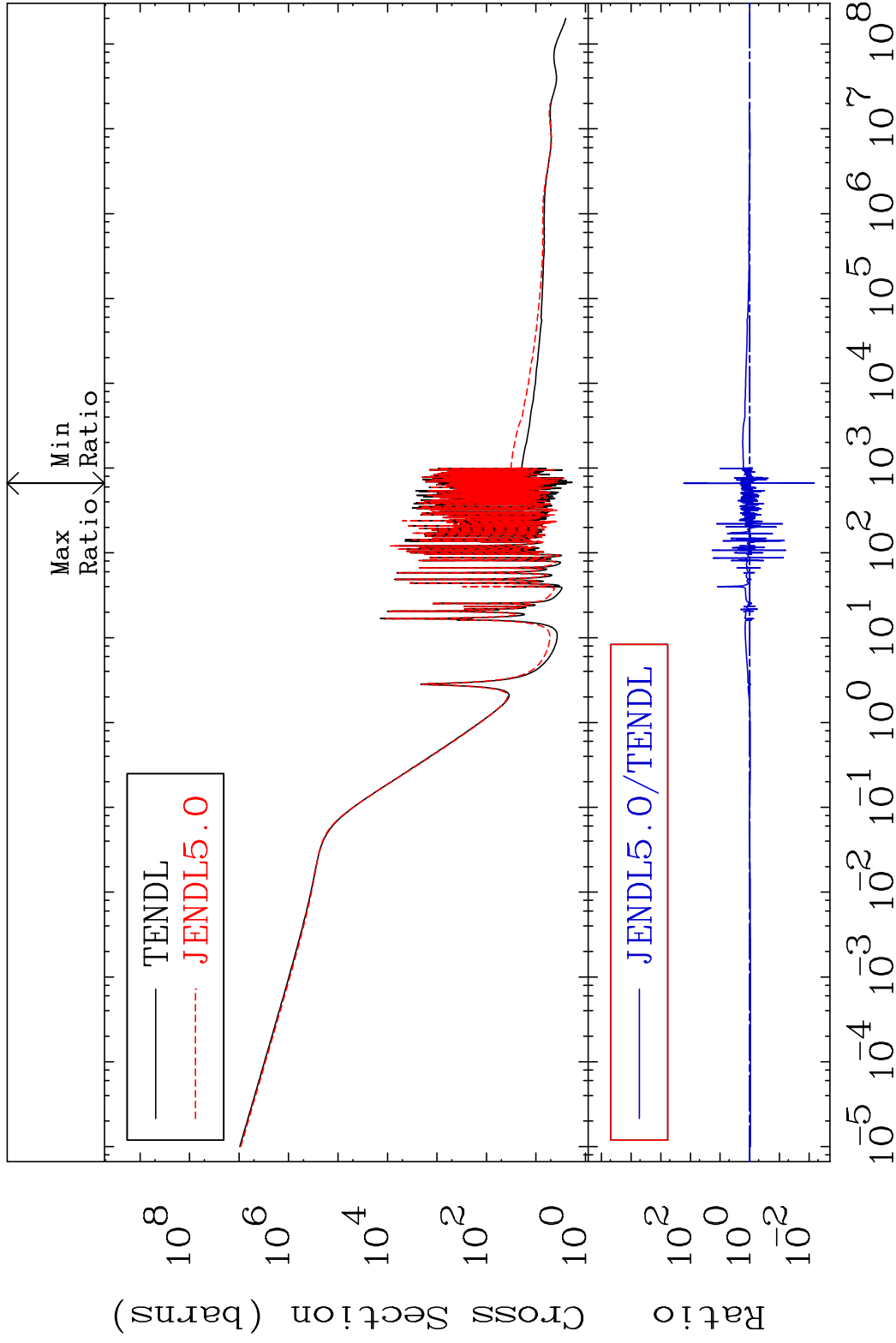
MAT 6440

Total

64-Gd-157

Cross Section

-99.32 To 9999. %



1

Incident Energy (eV)

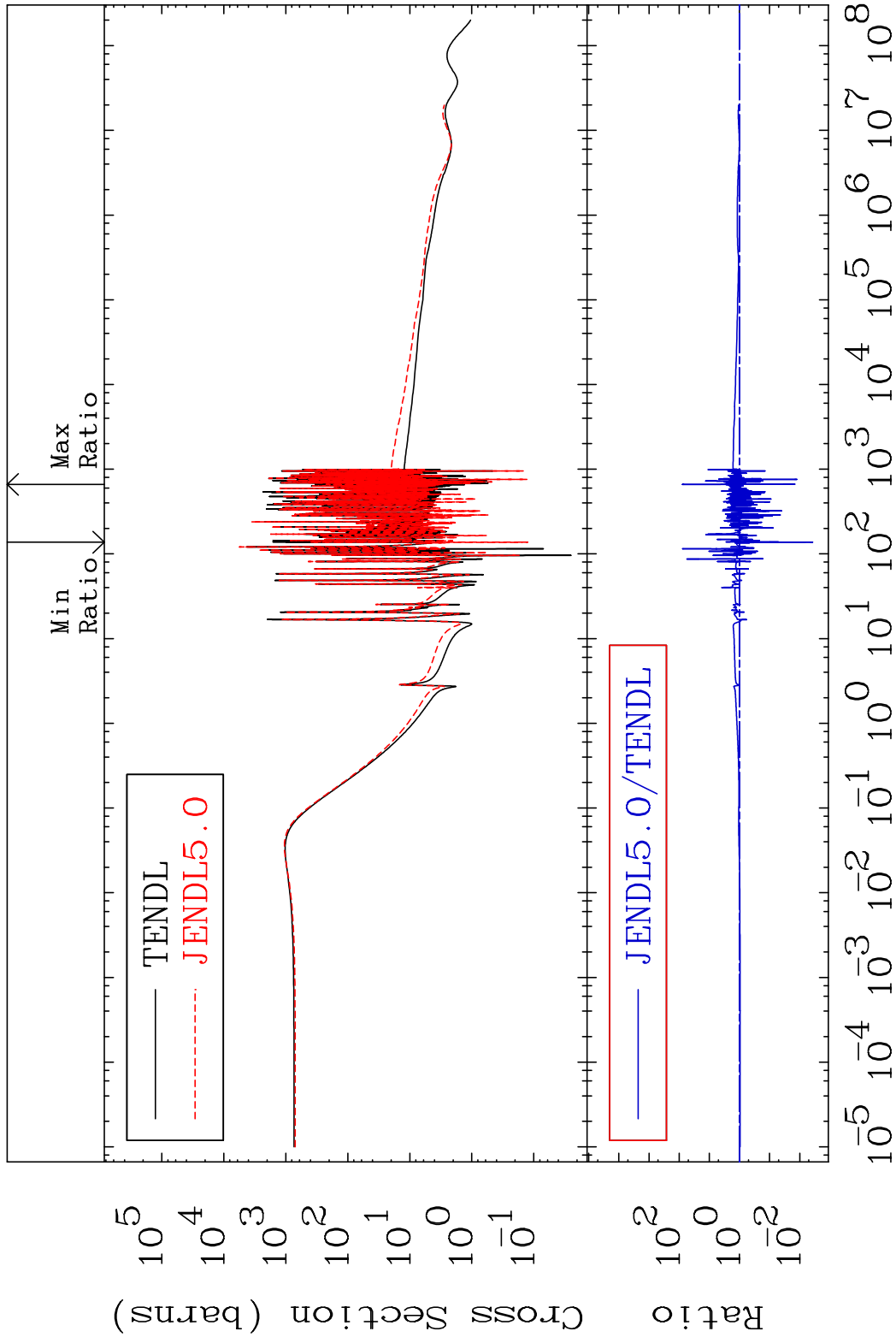
64-Gd-157

MAT 6440

Elastic

64-Gd-157

Cross Section -99.62 To 7725. %

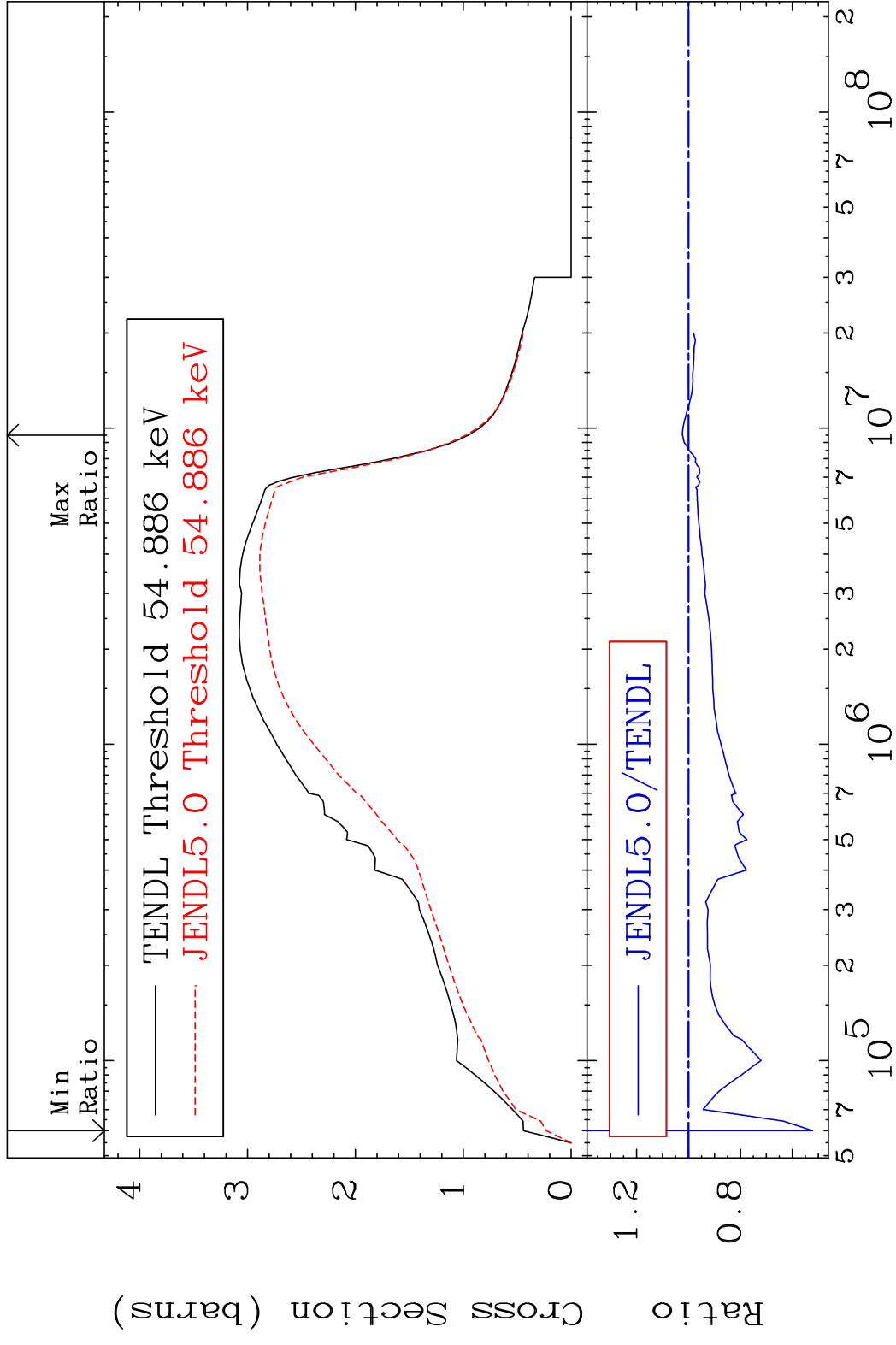


2

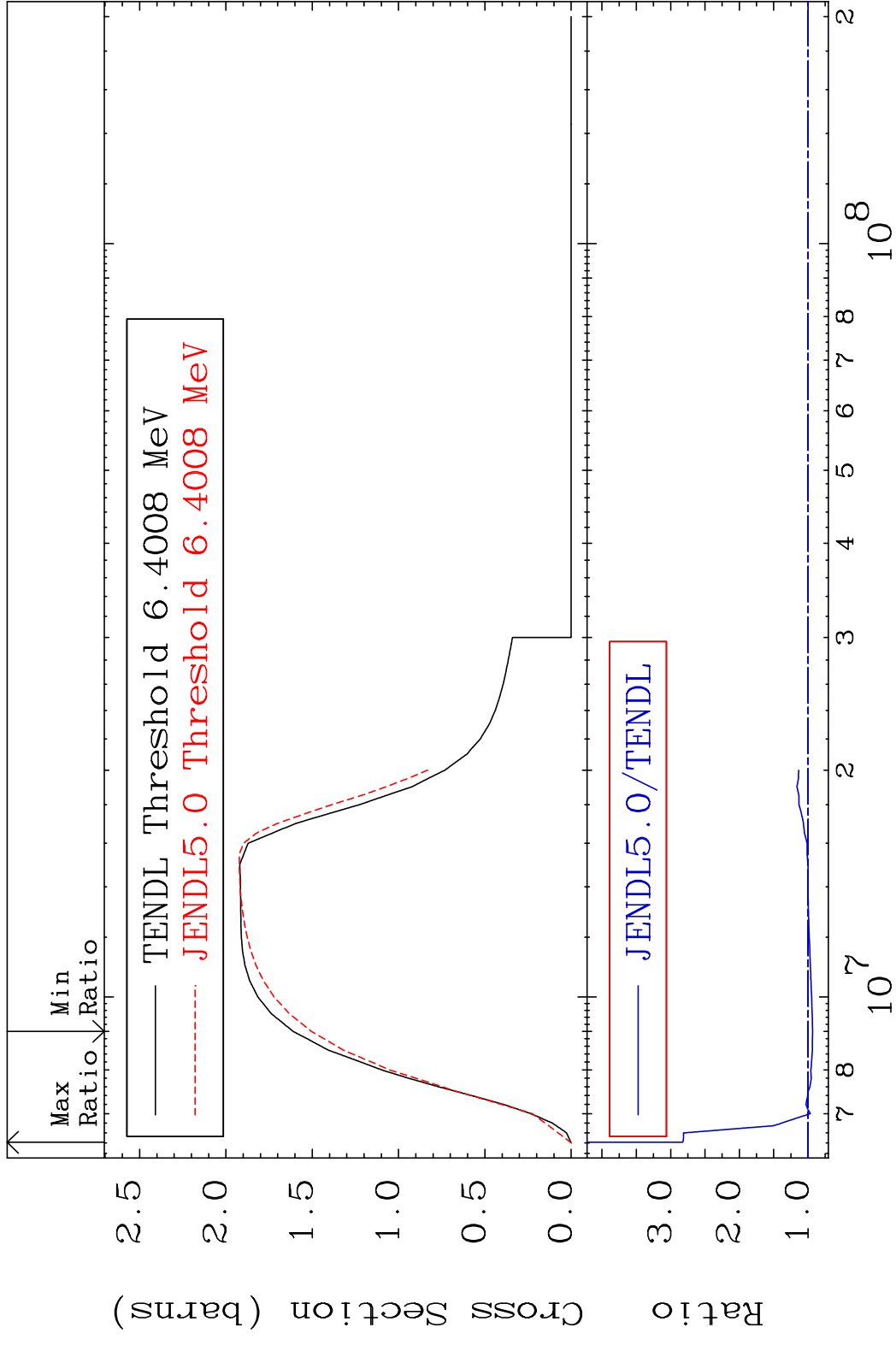
Incident Energy (eV)

64-Gd-157

MAT 6440 Inelastic Cross Section 64-Gd-157
 -47.78 To 2.367 %



MAT 6440 (n,2n) 64-Gd-157
 Cross Section -6.558 To 183.0 %

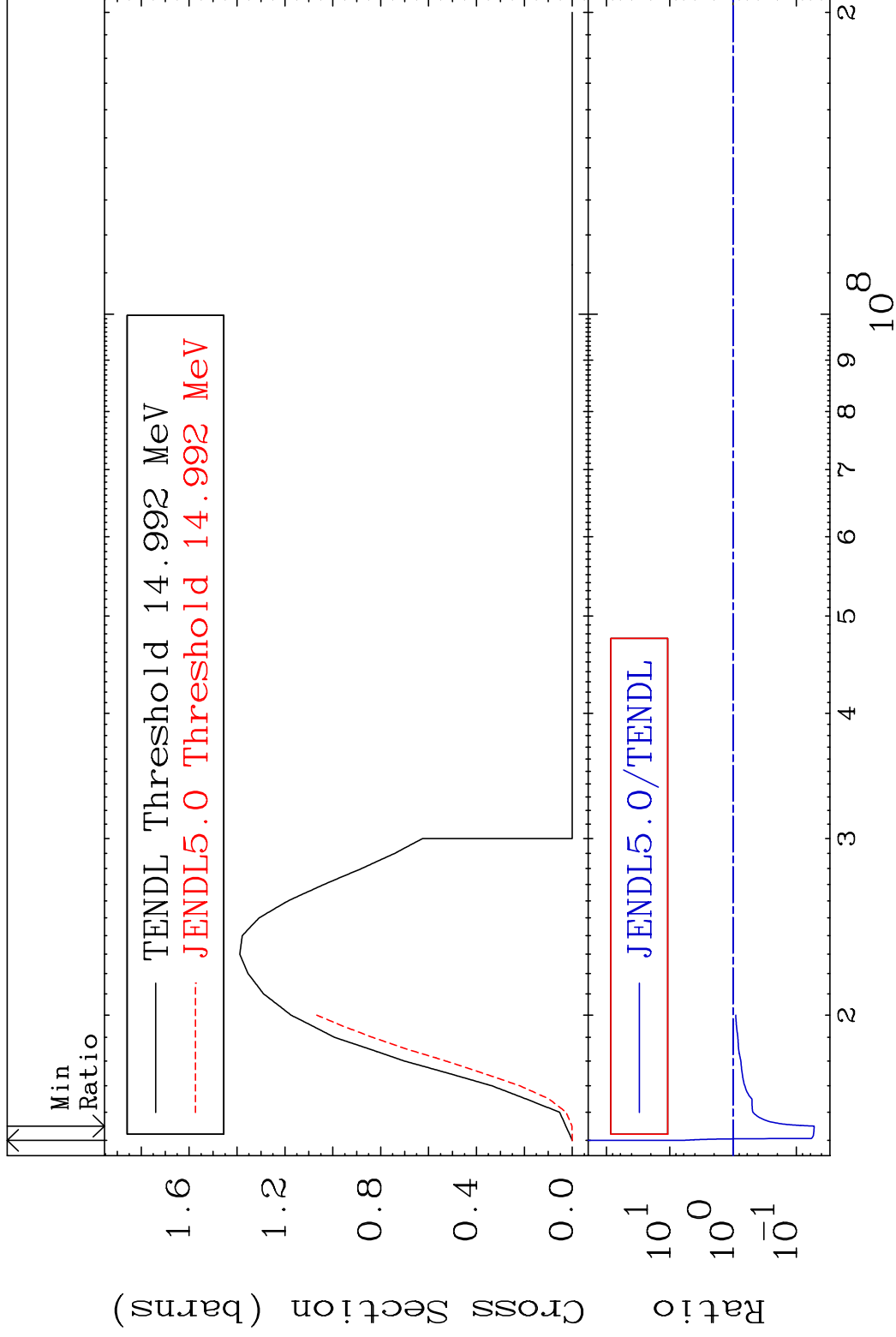


MAT 6440

(n,3n)

64-Gd-157

Cross Section -94.76 To 503.1 %



5

Incident Energy (eV)

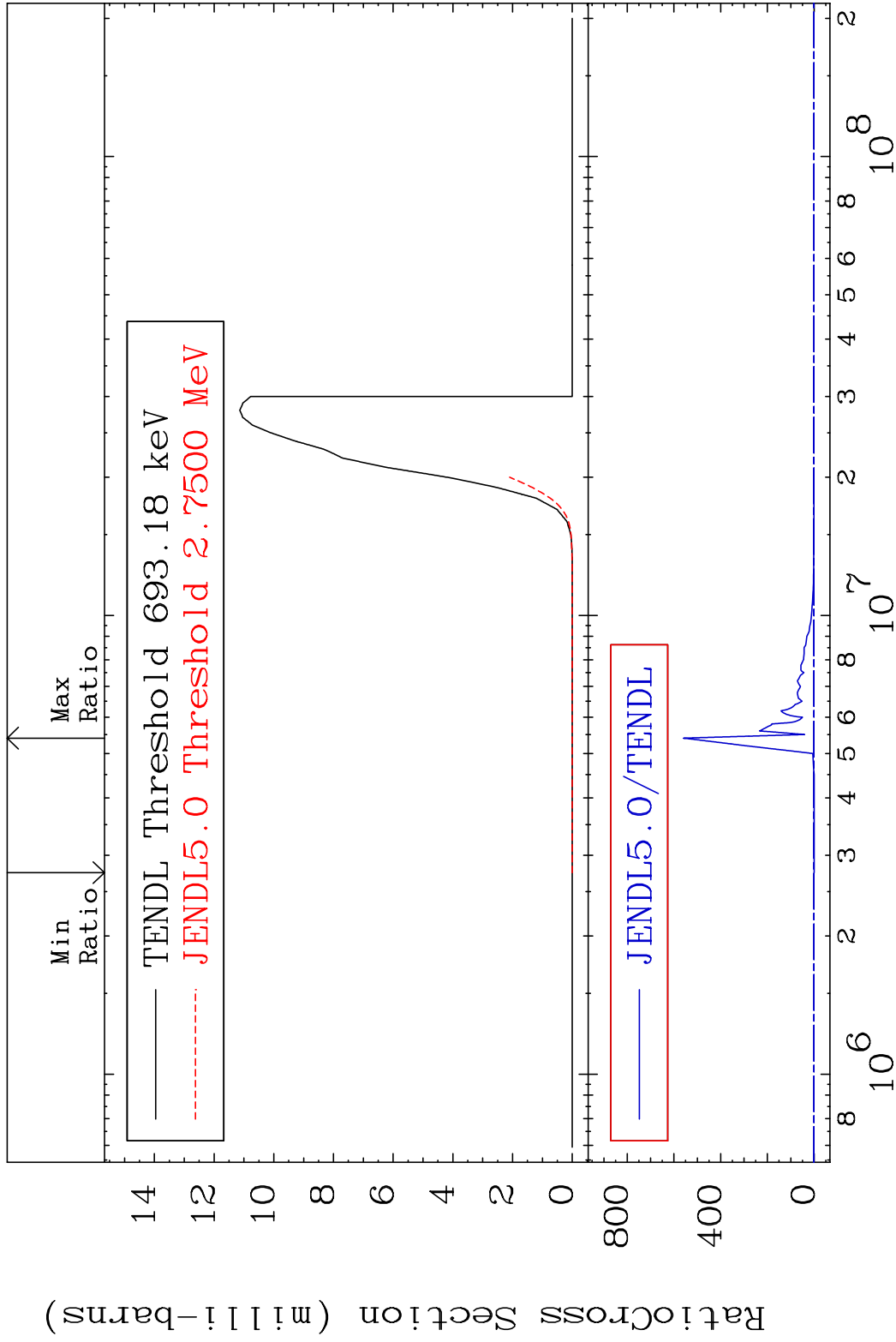
64-Gd-157

MAT 6440

(n, n') α

64-Gd-157

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

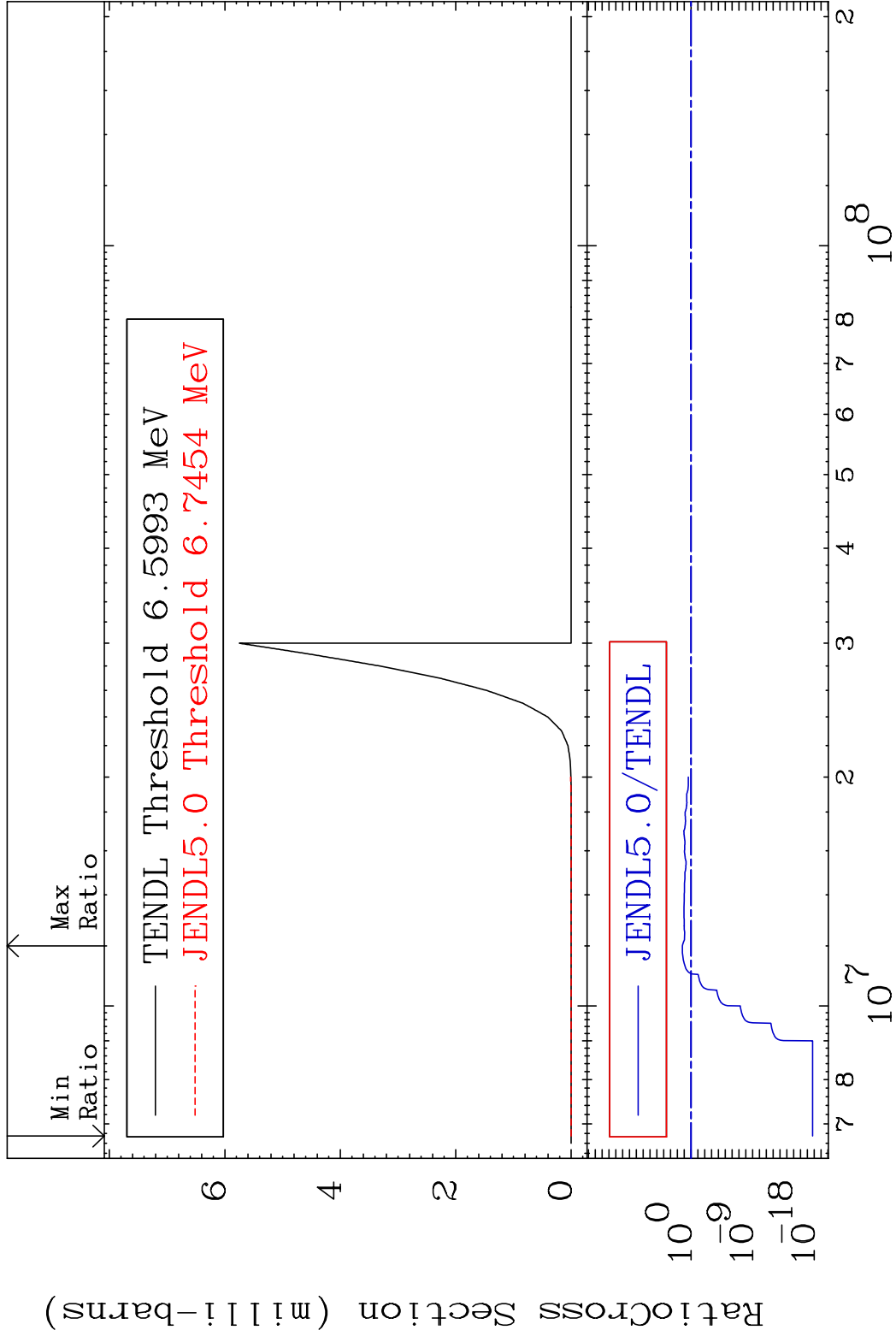
64-Gd-157

MAT 6440

(n,2n) α

64-Gd-157

Cross Section -100.0 To 1763. %

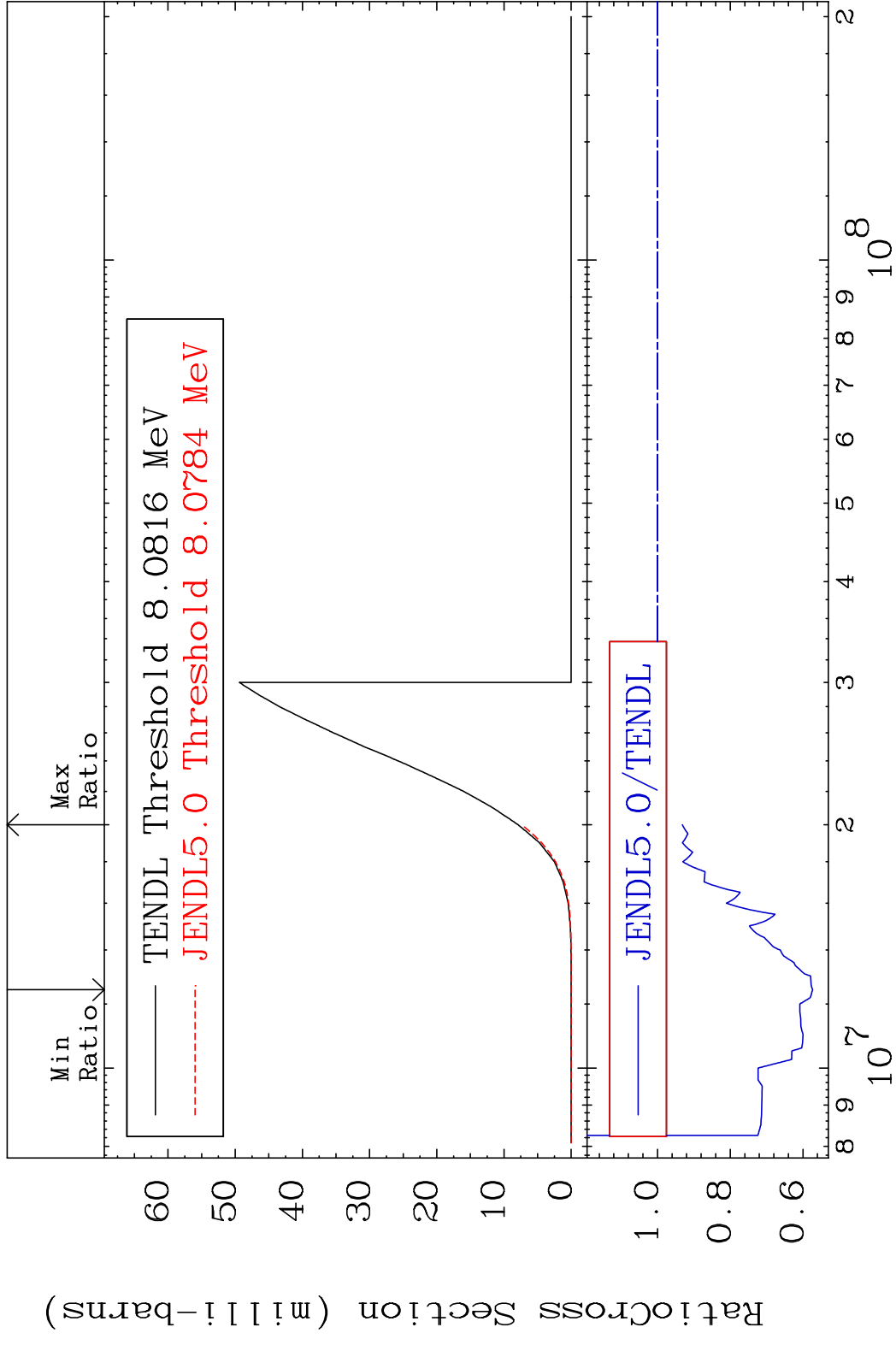


7

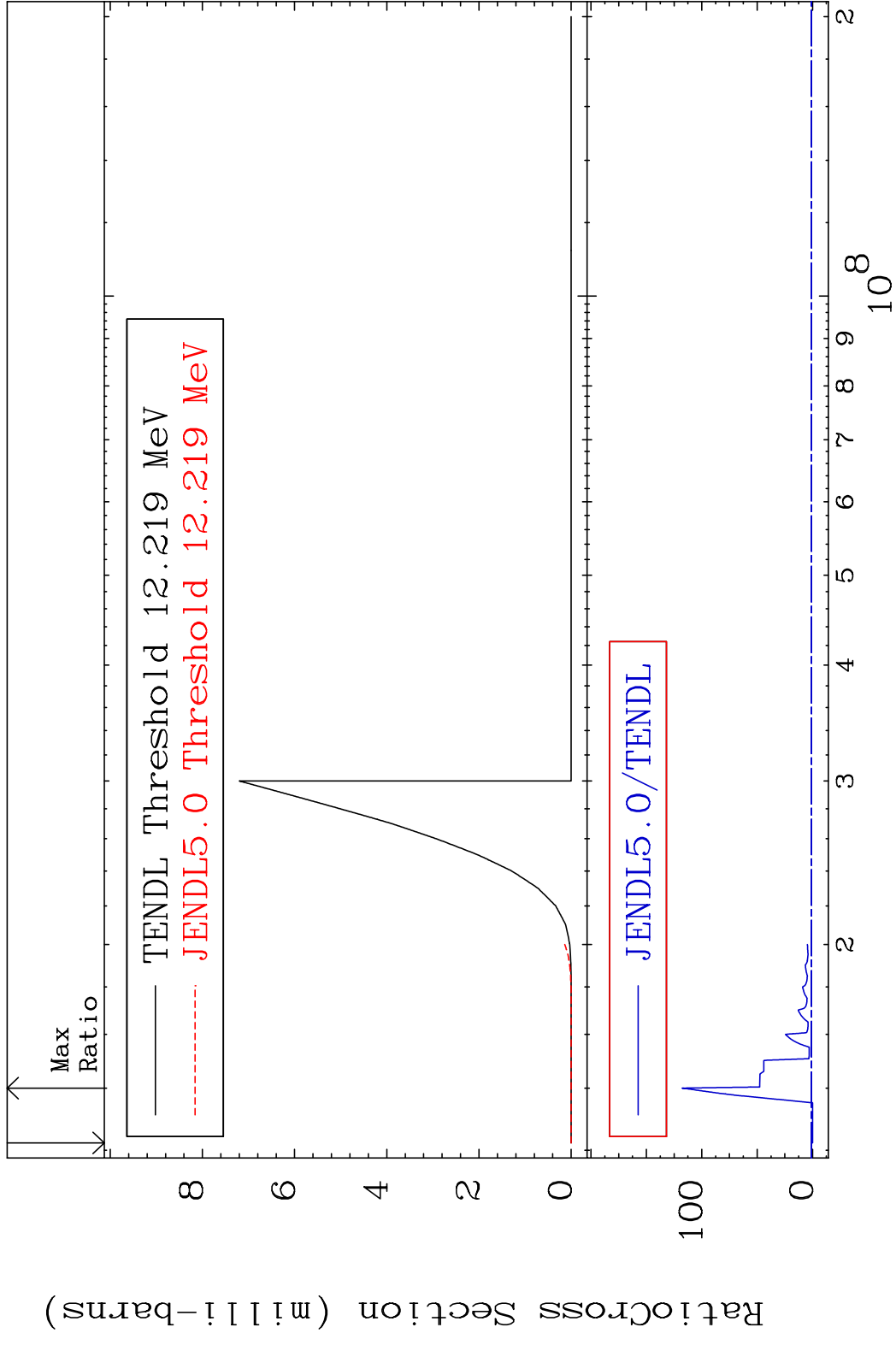
Incident Energy (eV)

64-Gd-157

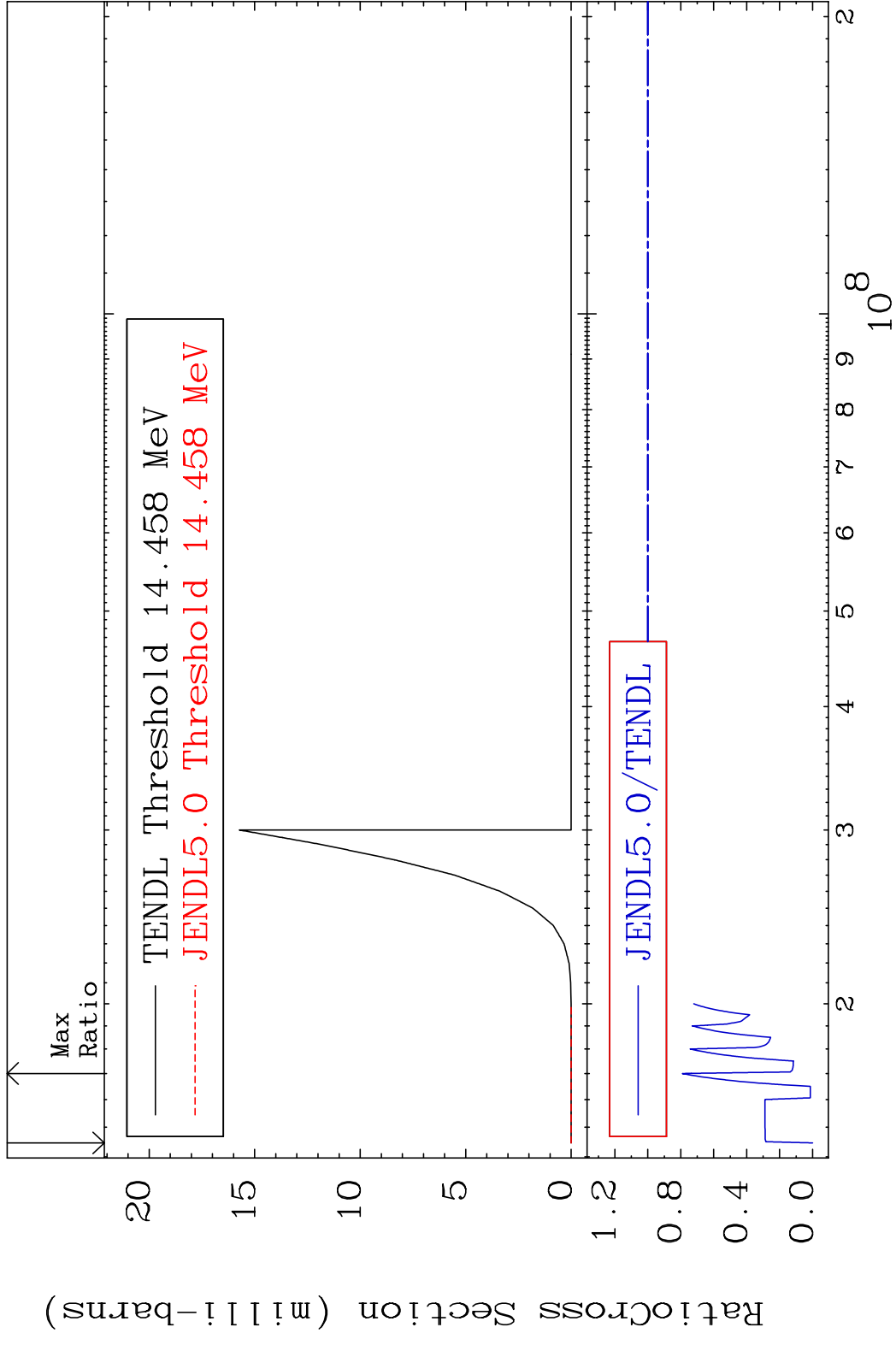
MAT 6440 (n, n') p 64-Gd-157
 Cross Section -42.64 To -6.840%



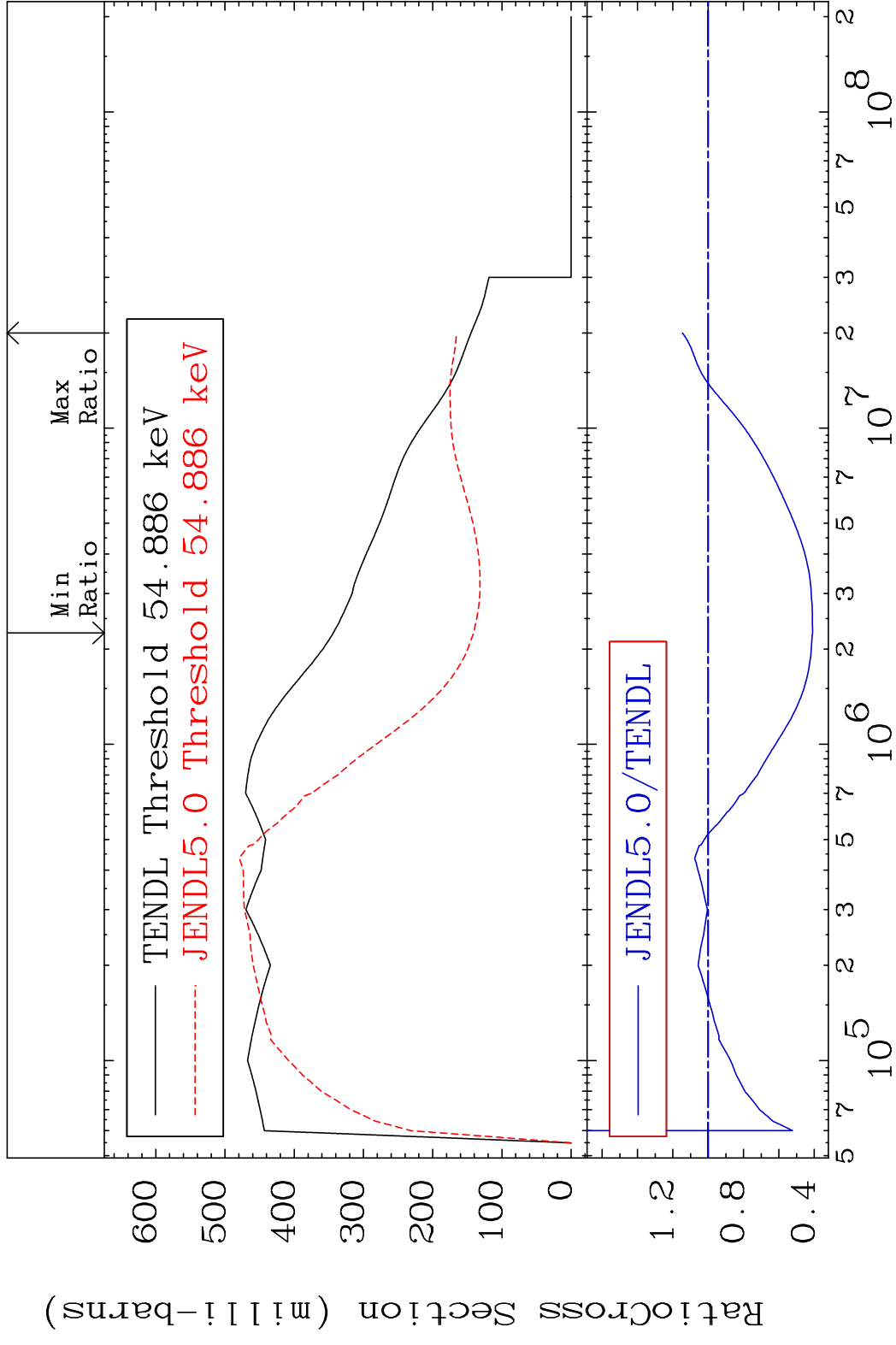
MAT 6440 (n, n') d 64-Gd-157
 Cross Section -100.0 To 9999. %



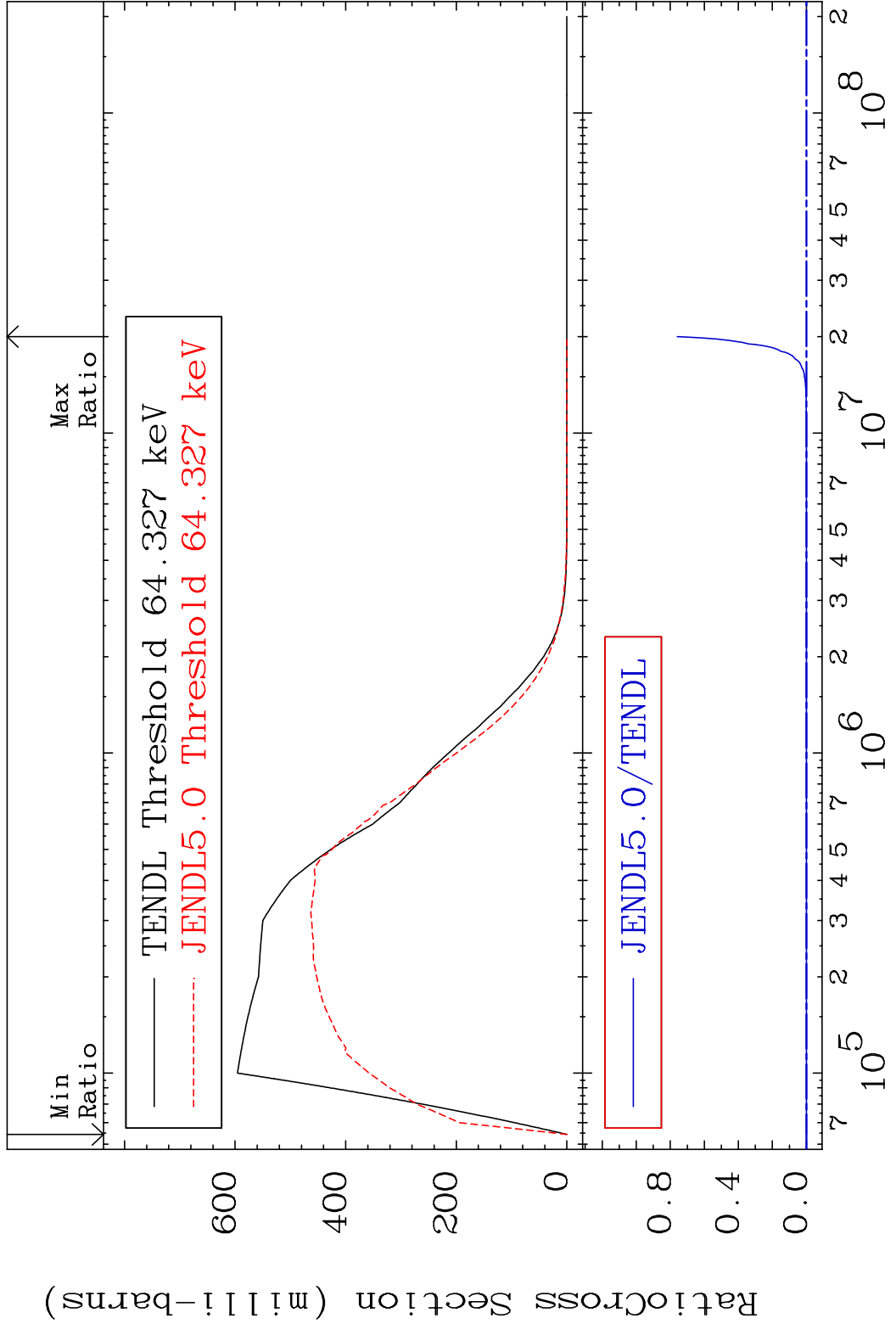
MAT 6440 (n,2n) p 64-Gd-157
 Cross Section -100.0 To -20.98%



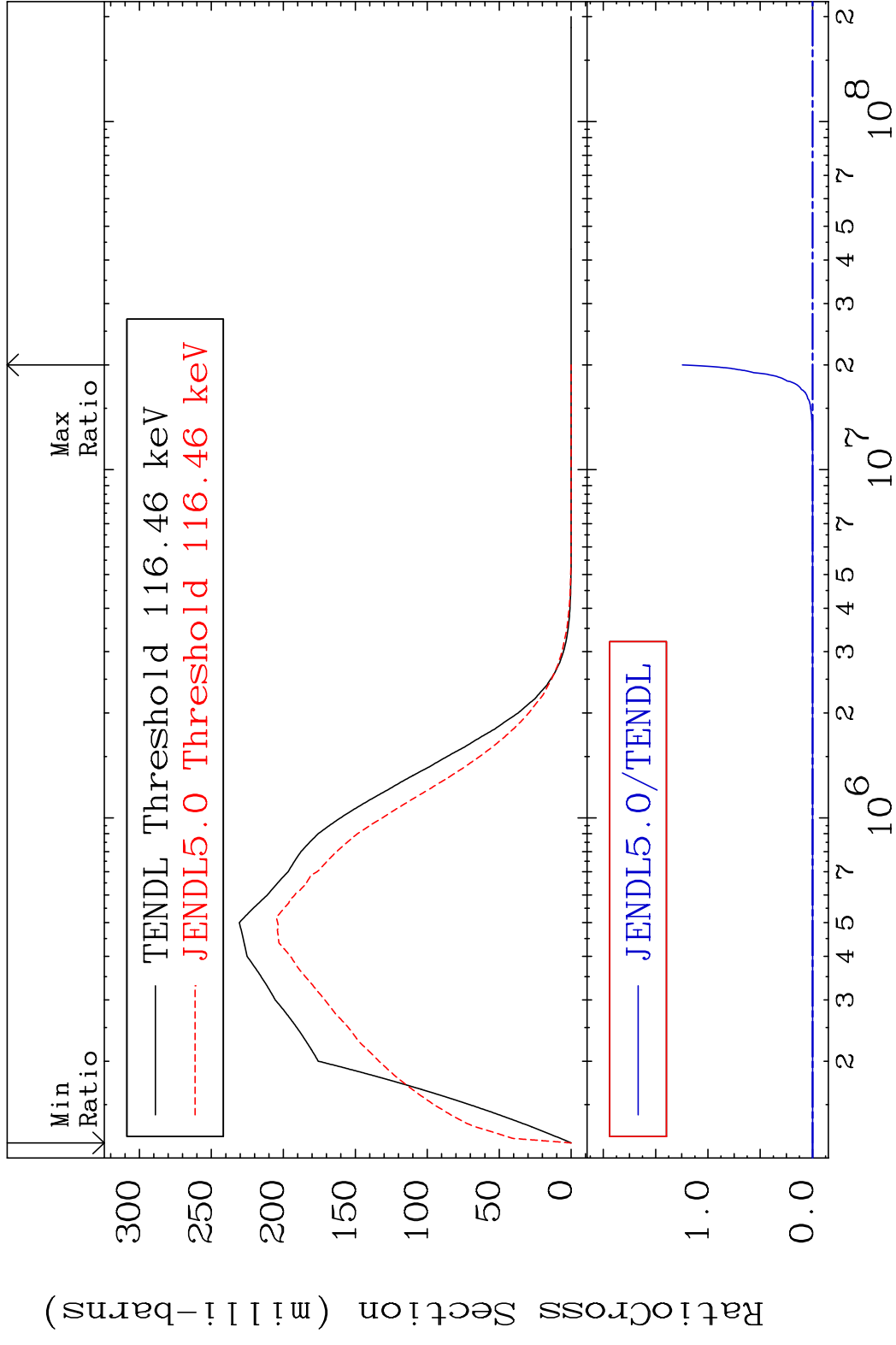
MAT 6440 MT= 51 (n, n') Level 64-Gd-157
 Cross Section -59.04 To 14.65 %



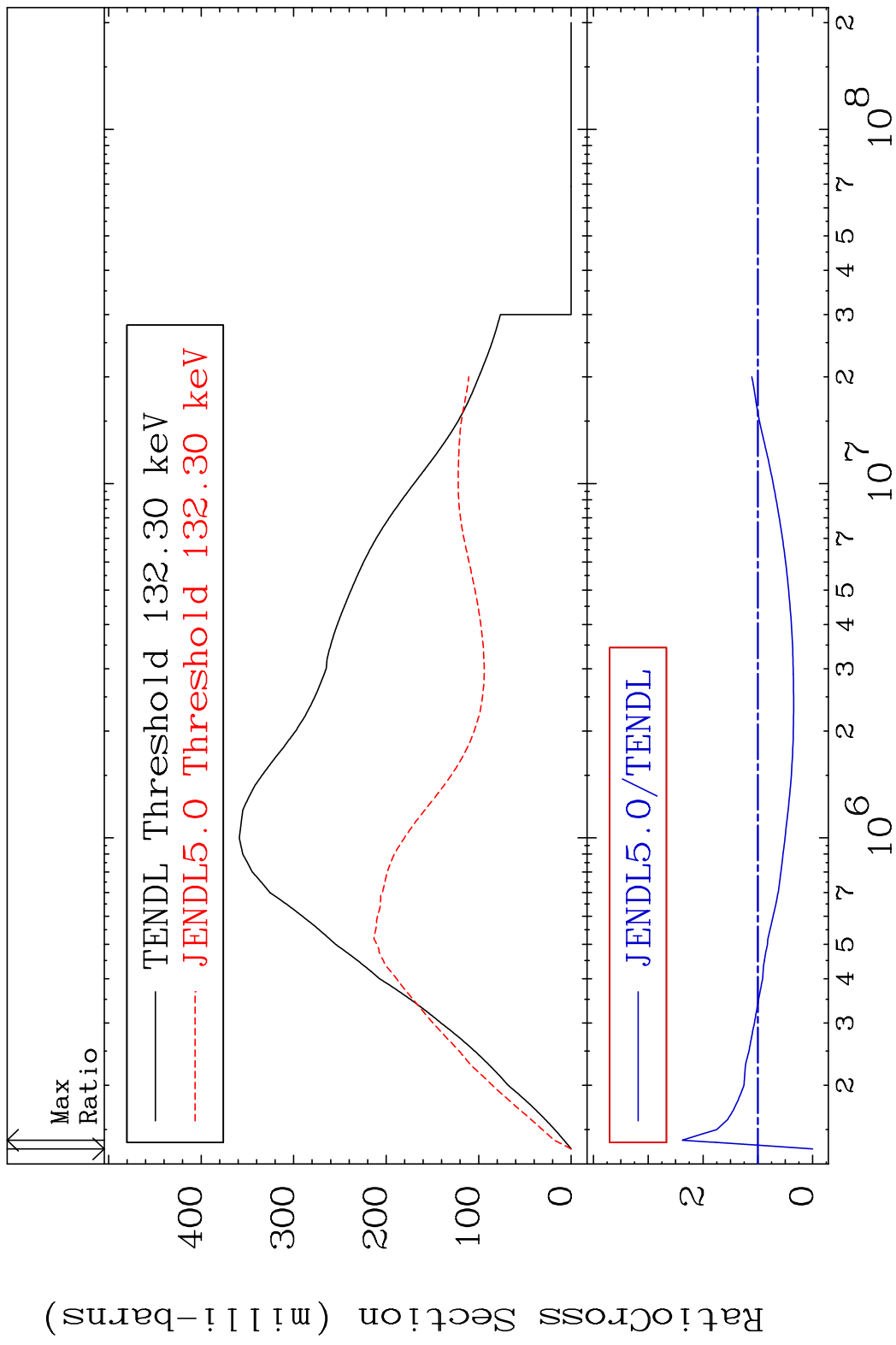
MAT 6440 MT= 52 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



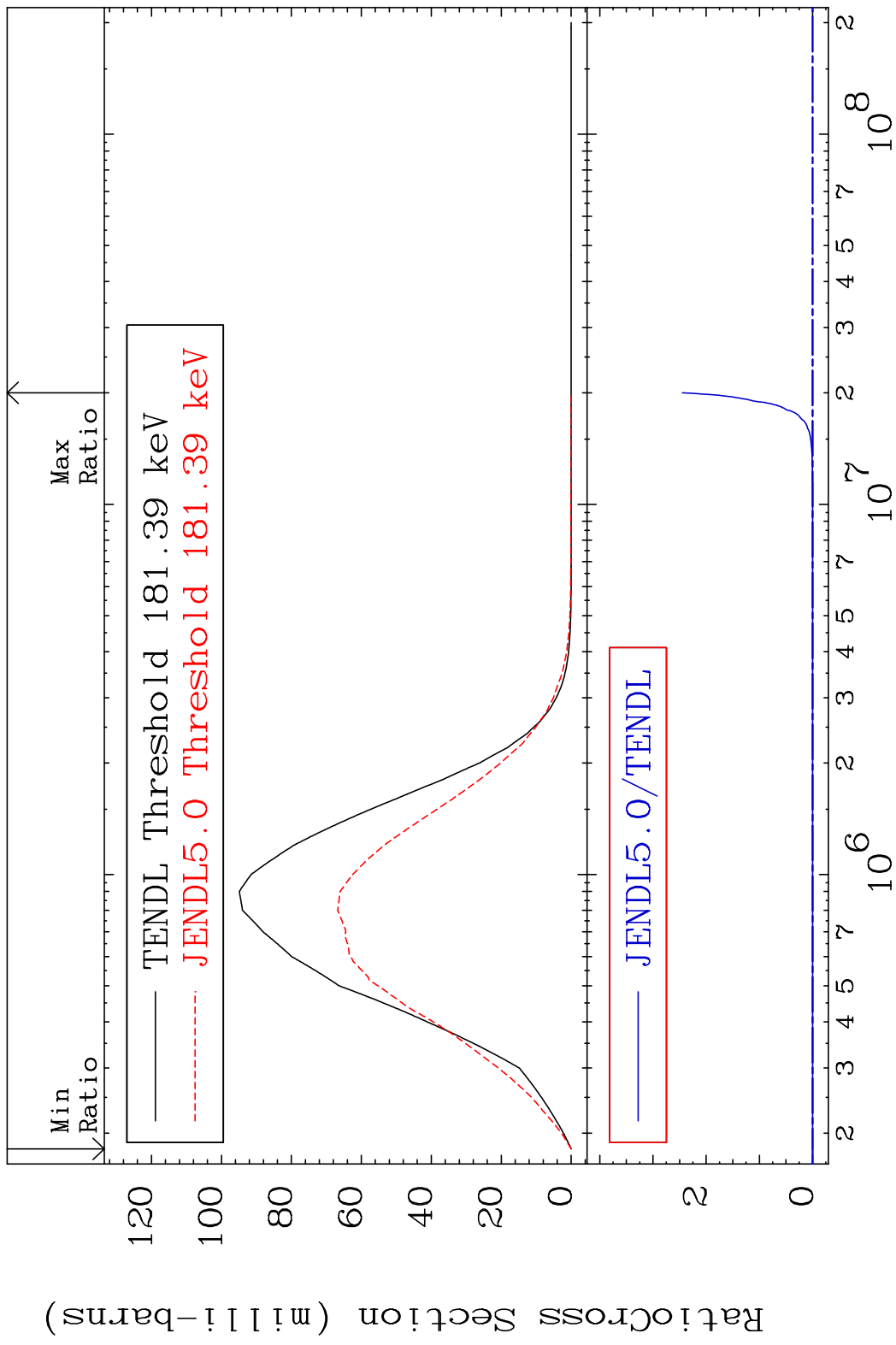
MAT 6440 MT= 53 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



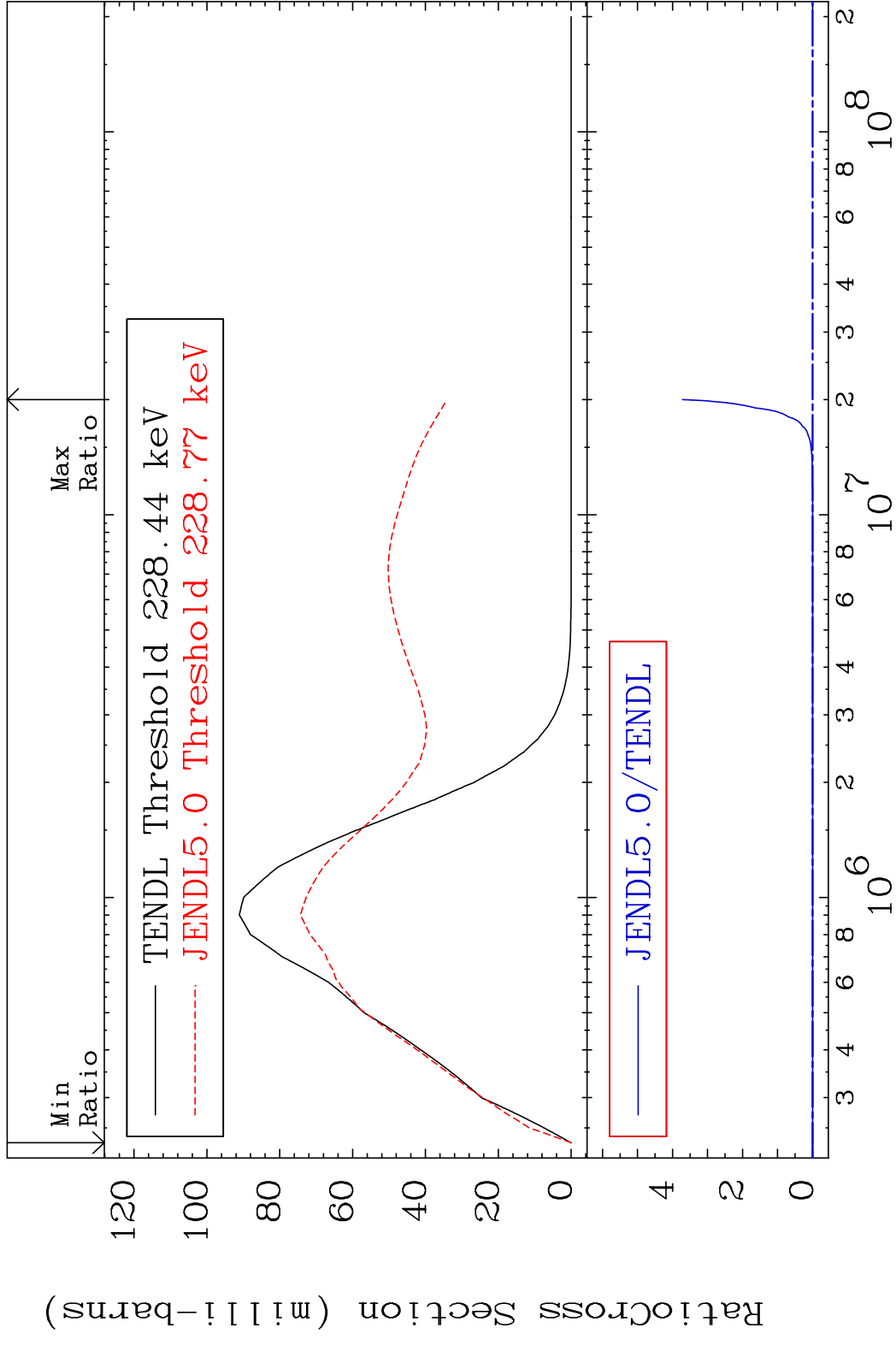
MAT 6440 MT= 54 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 137.8 %



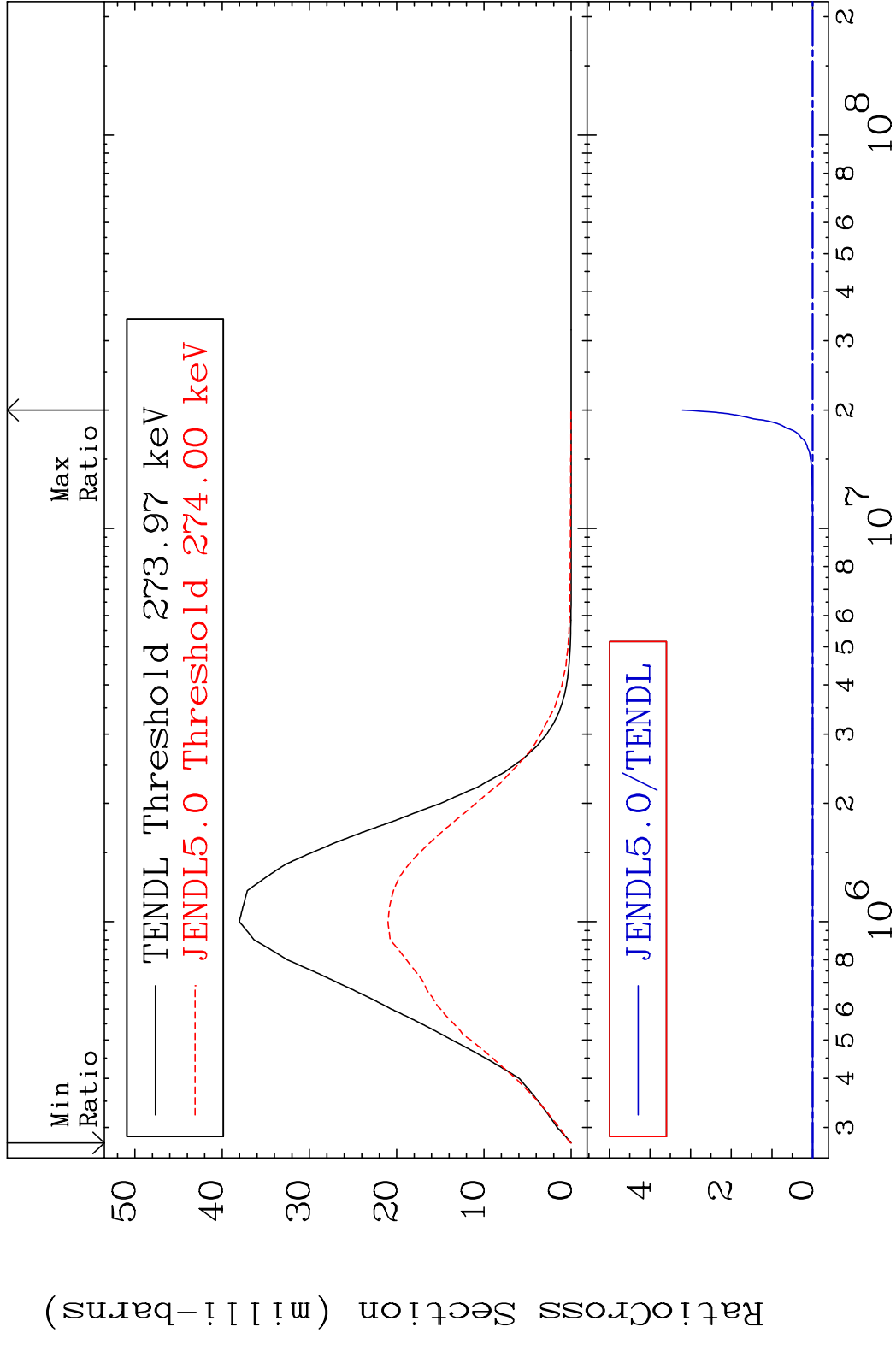
MAT 6440 MT= 55 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



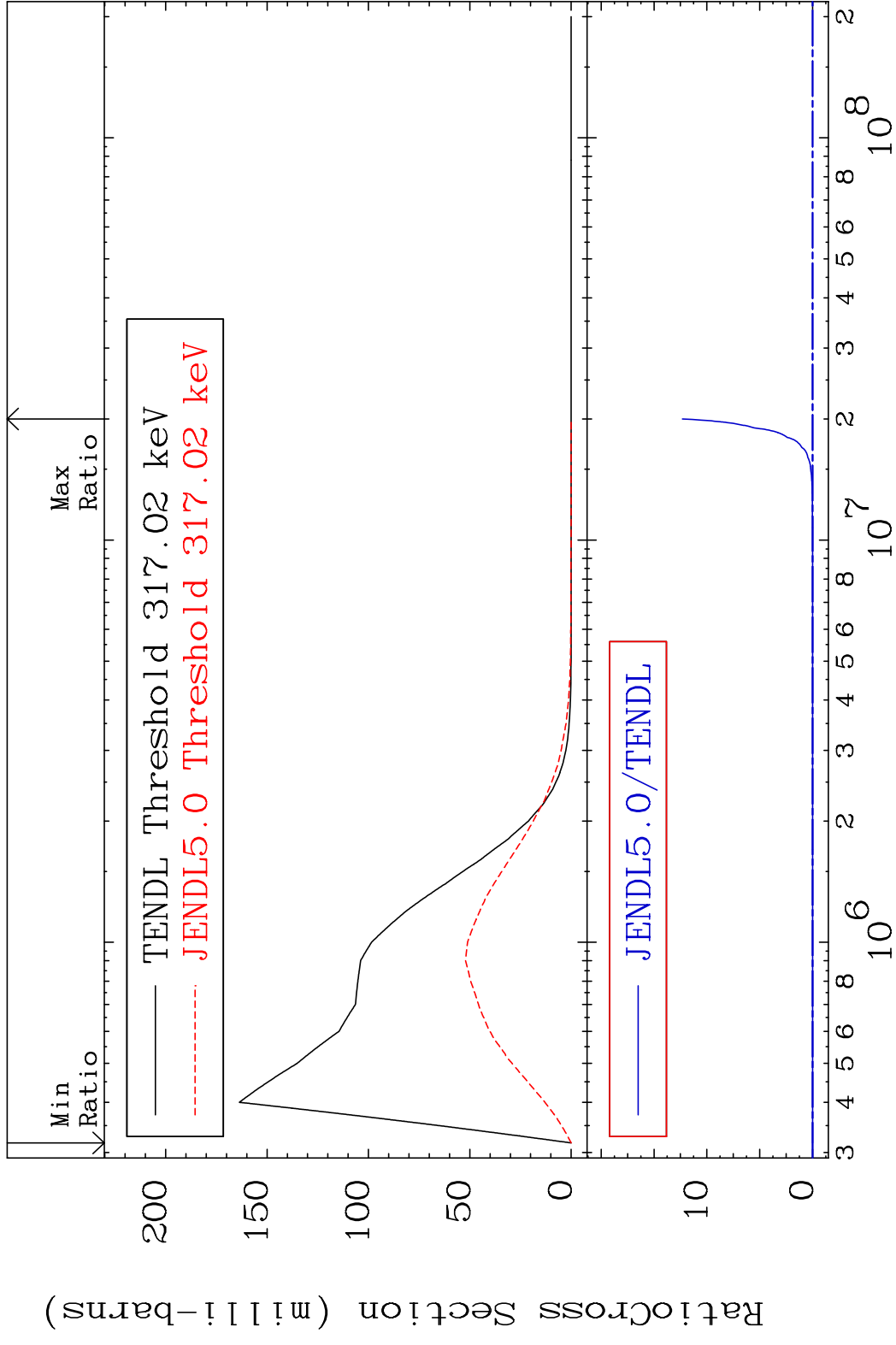
MAT 6440 MT= 56 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



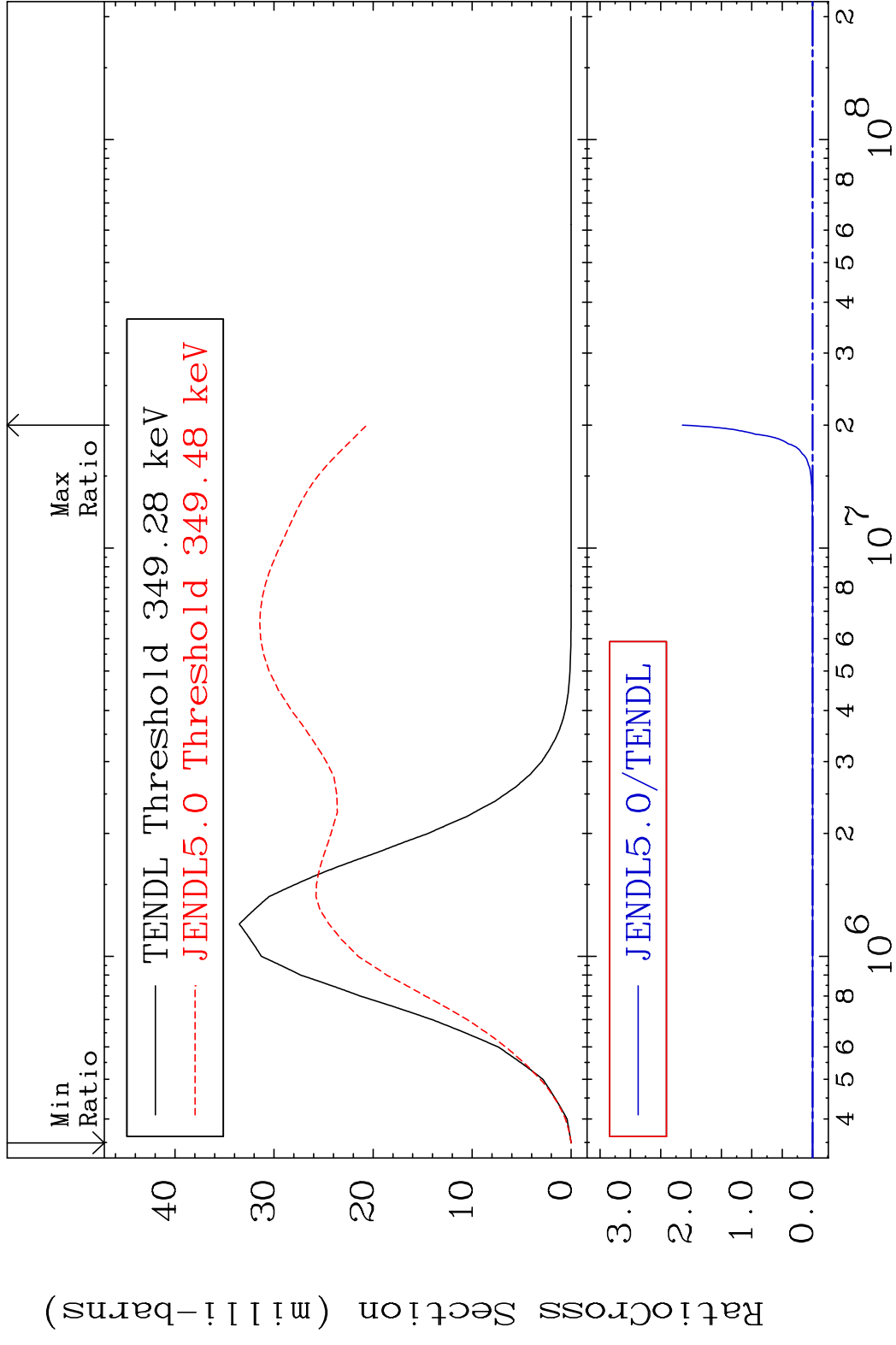
MAT 6440 MT= 57 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



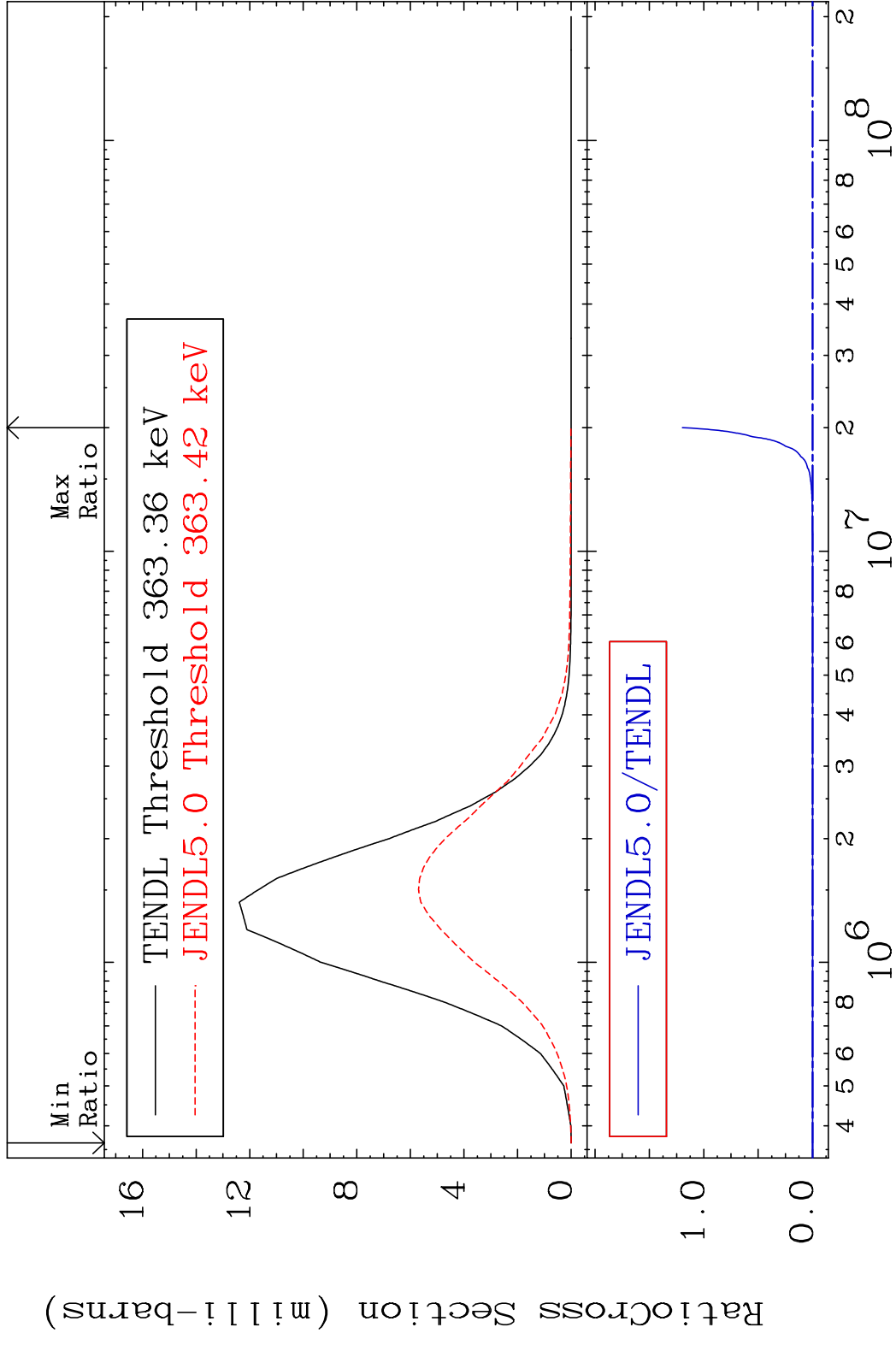
MAT 6440 MT= 58 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



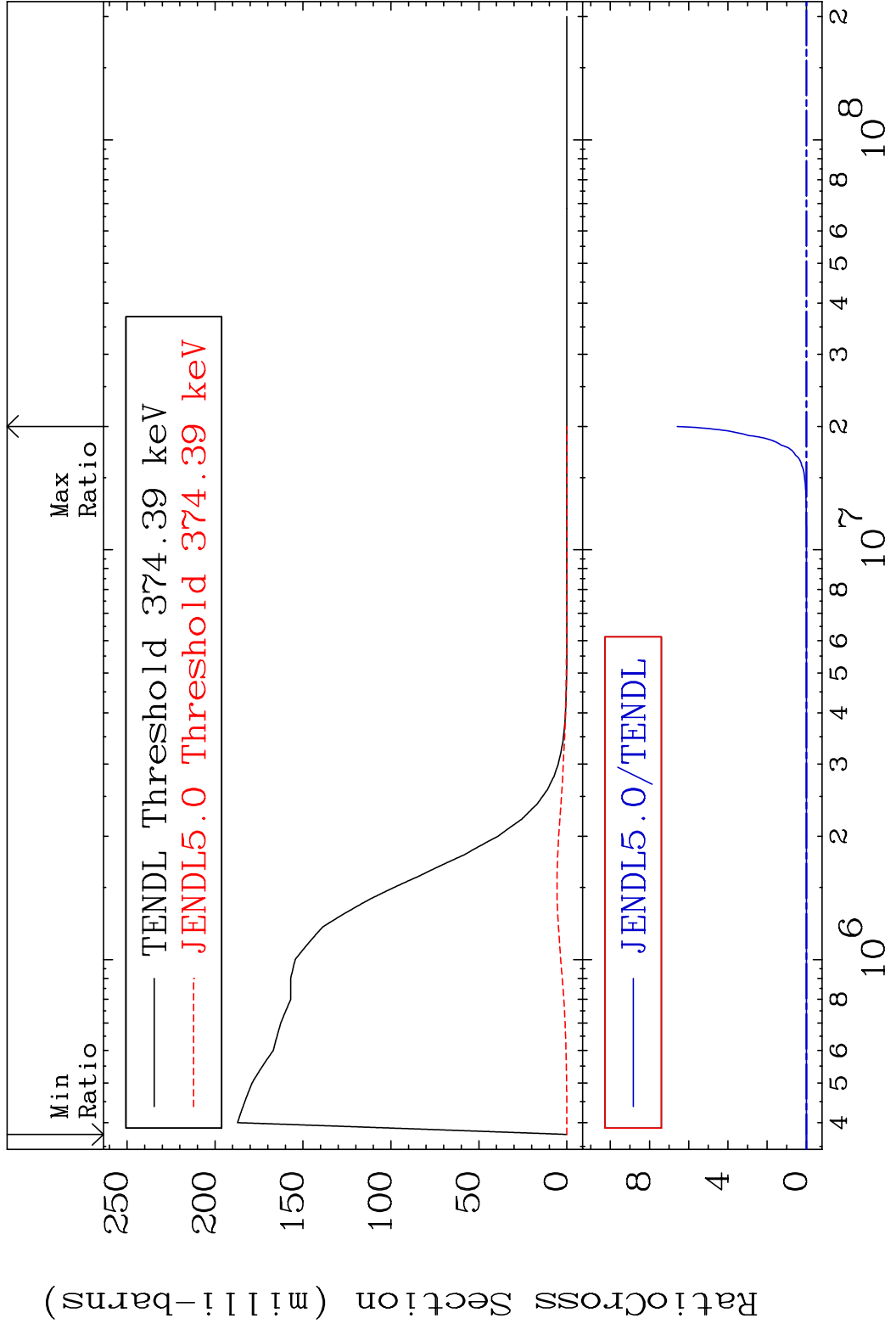
MAT 6440 MT= 59 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



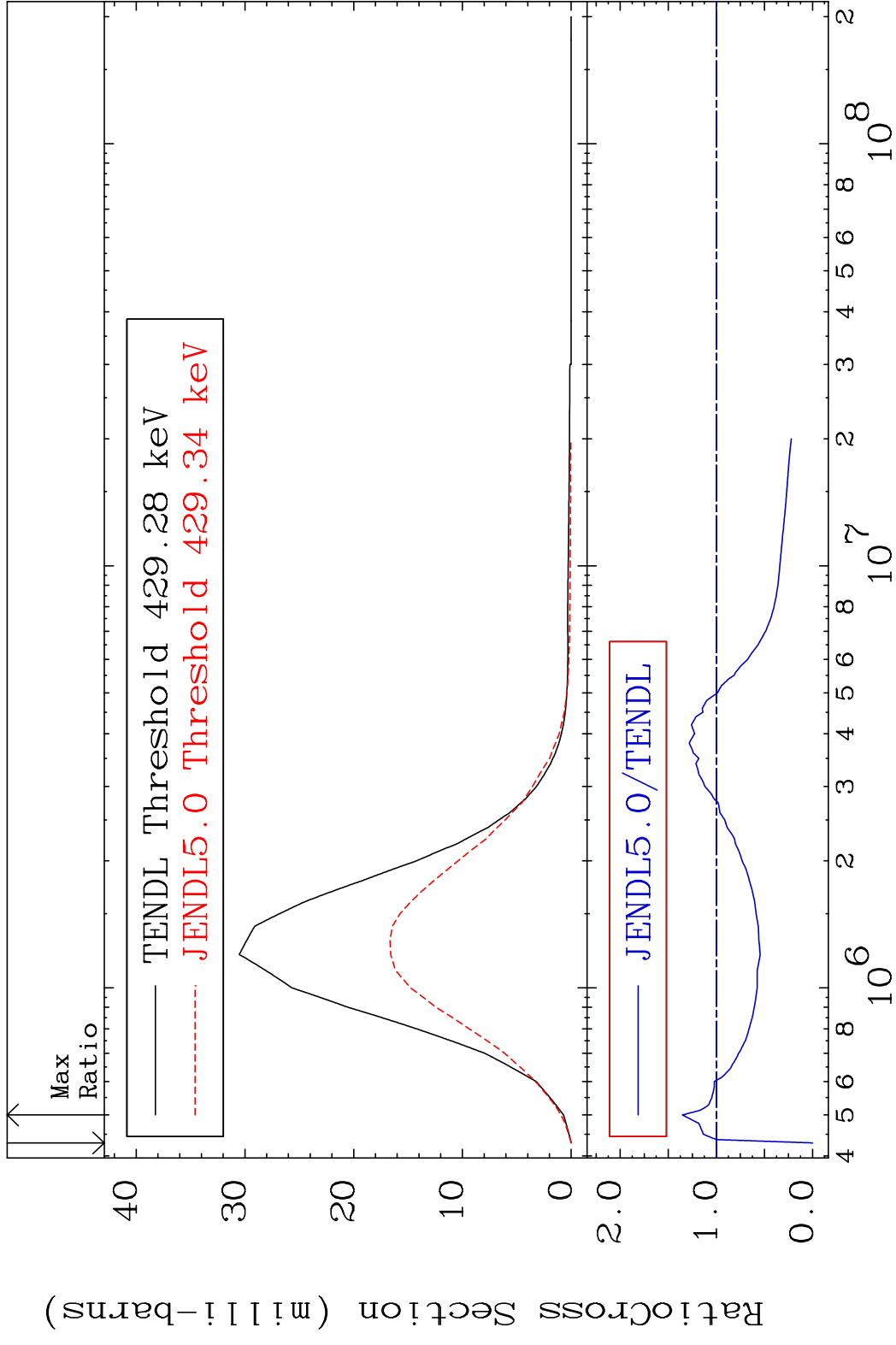
MAT 6440 MT= 60 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



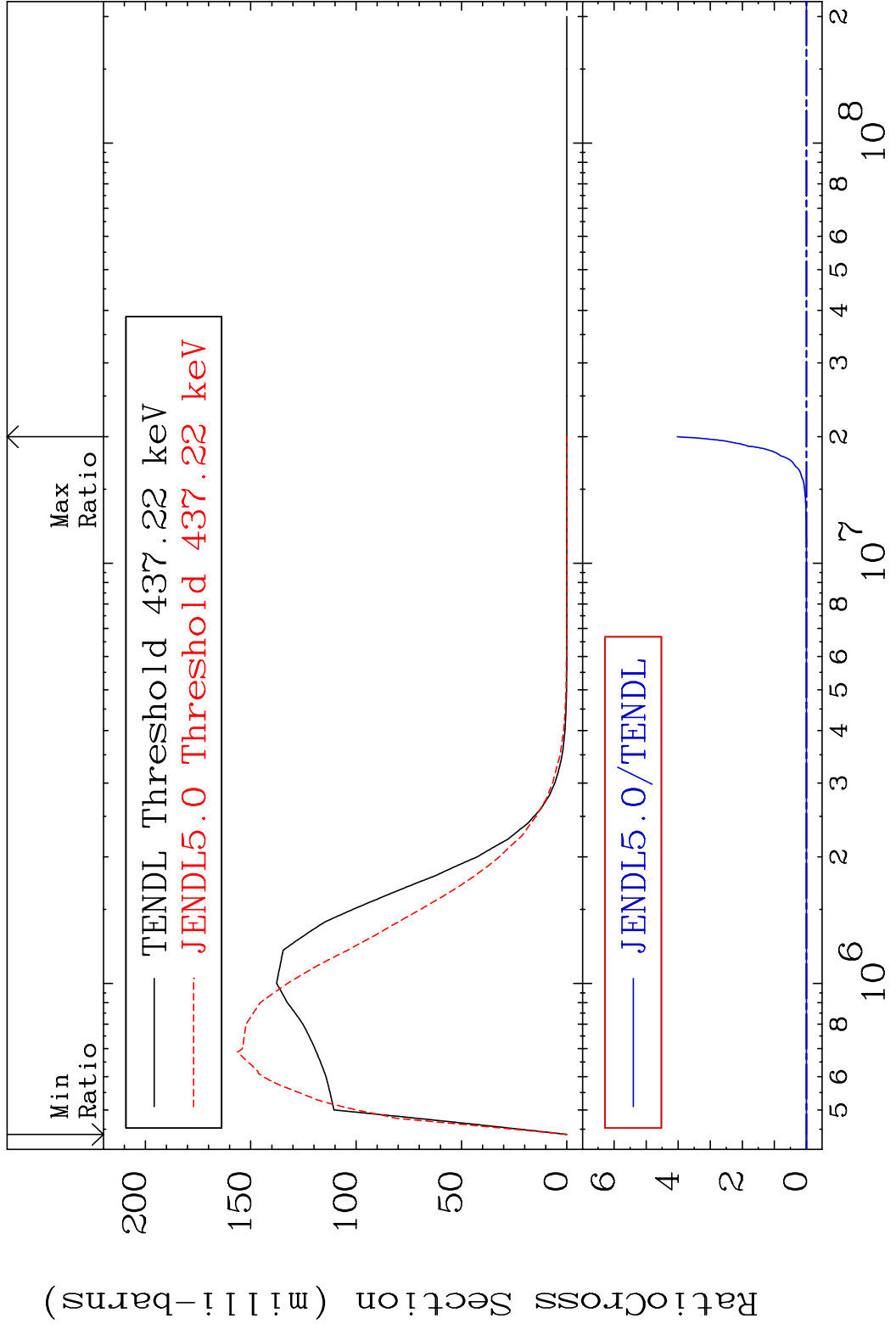
MAT 6440 MT= 61 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



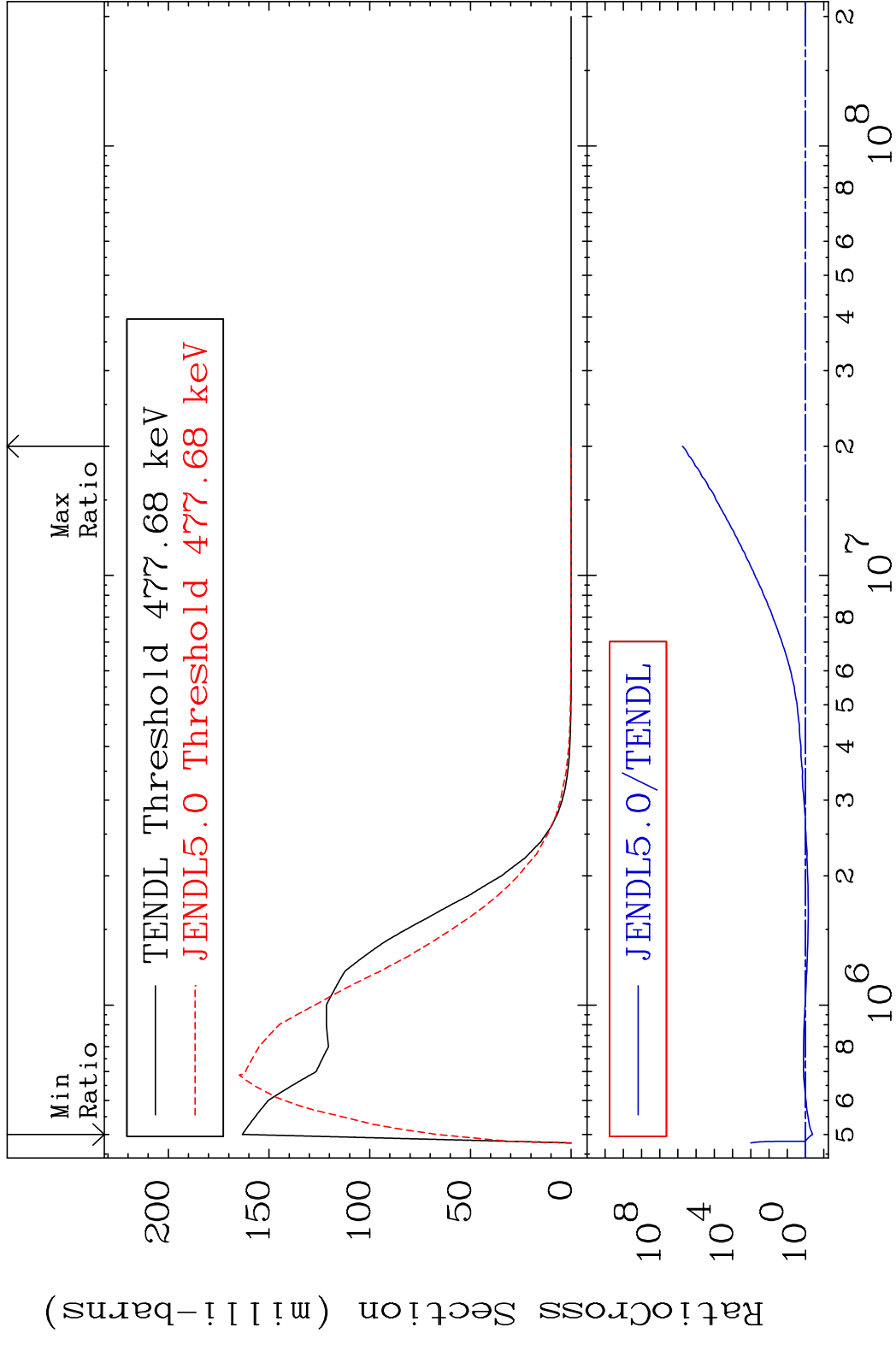
MAT 6440 MT= 62 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 35.38 %



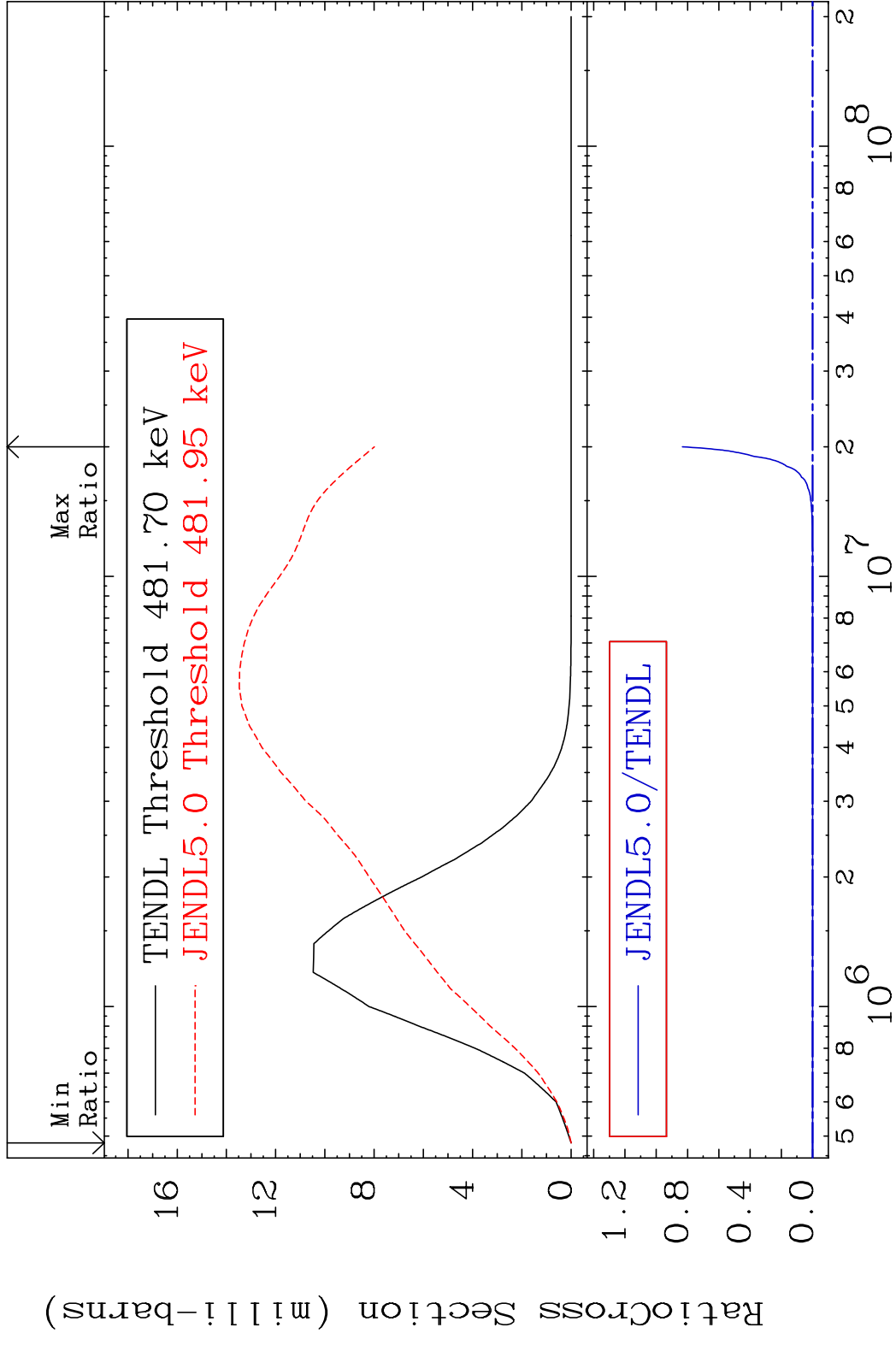
MAT 6440 MT= 63 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



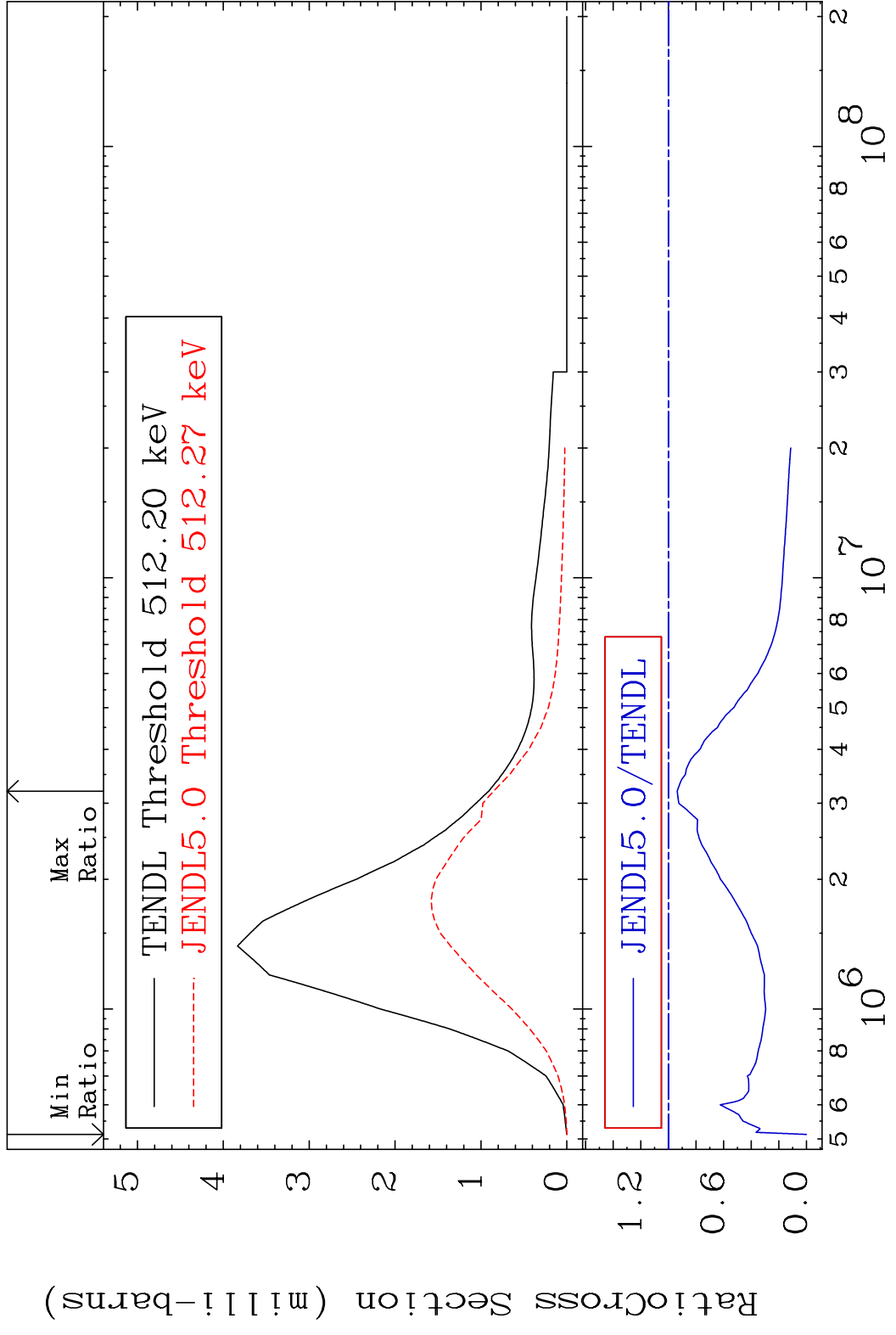
MAT 6440 MT= 64 (n, n') Level 64-Gd-157
 Cross Section -59.12 To 9999. %



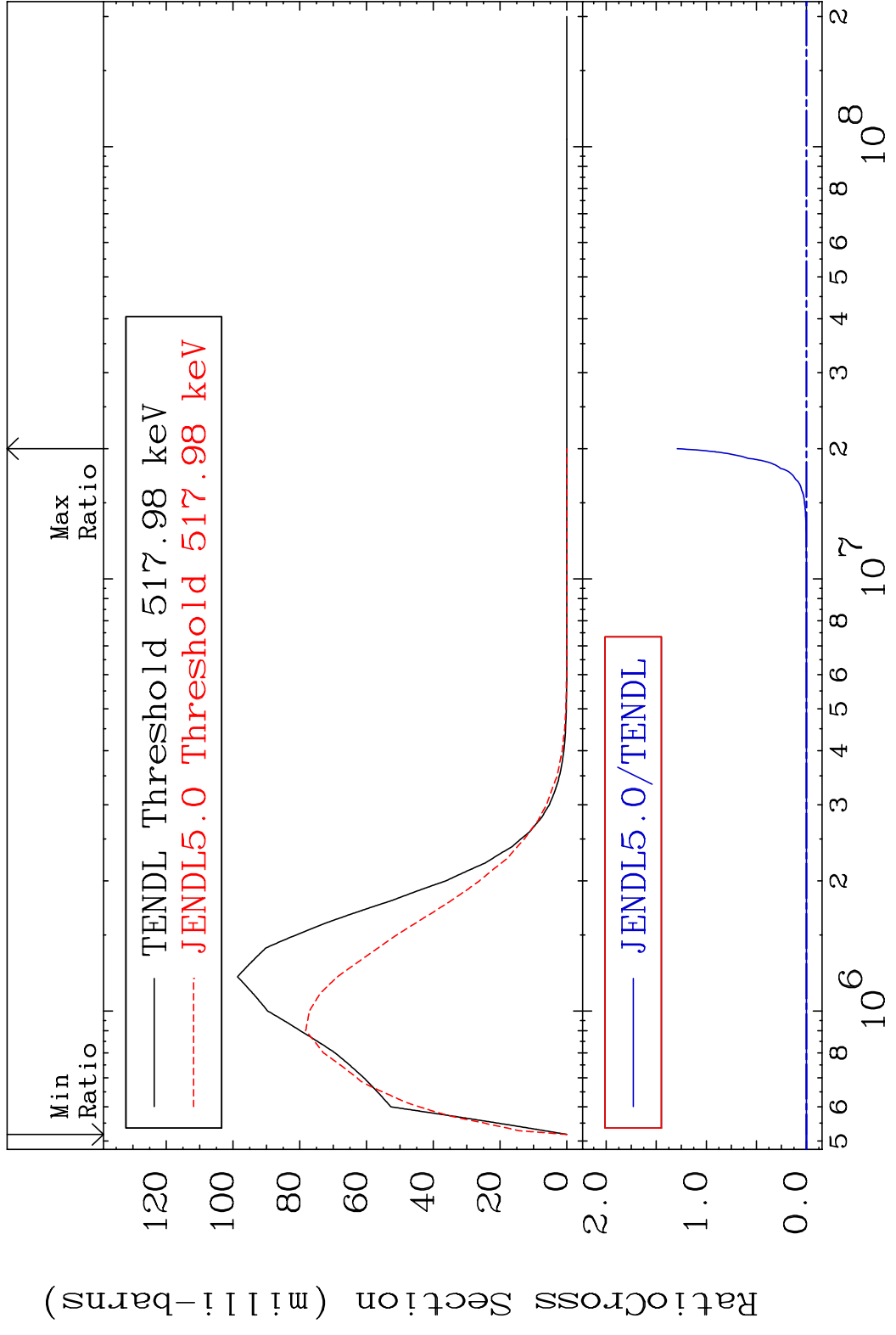
MAT 6440 MT= 65 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



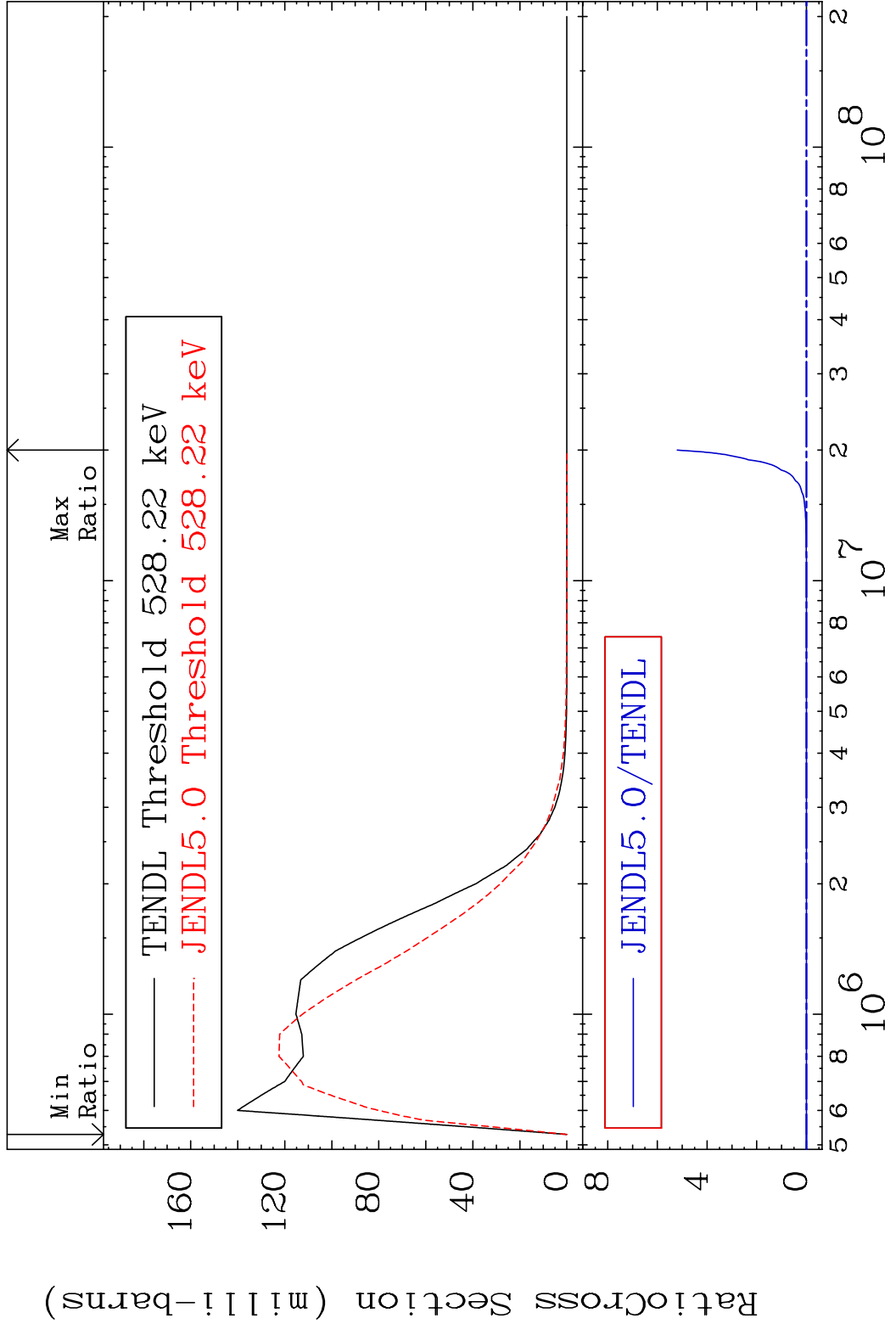
MAT 6440 MT= 66 (n,n') Level 64-Gd-157
 Cross Section -100.0 To -6.385%



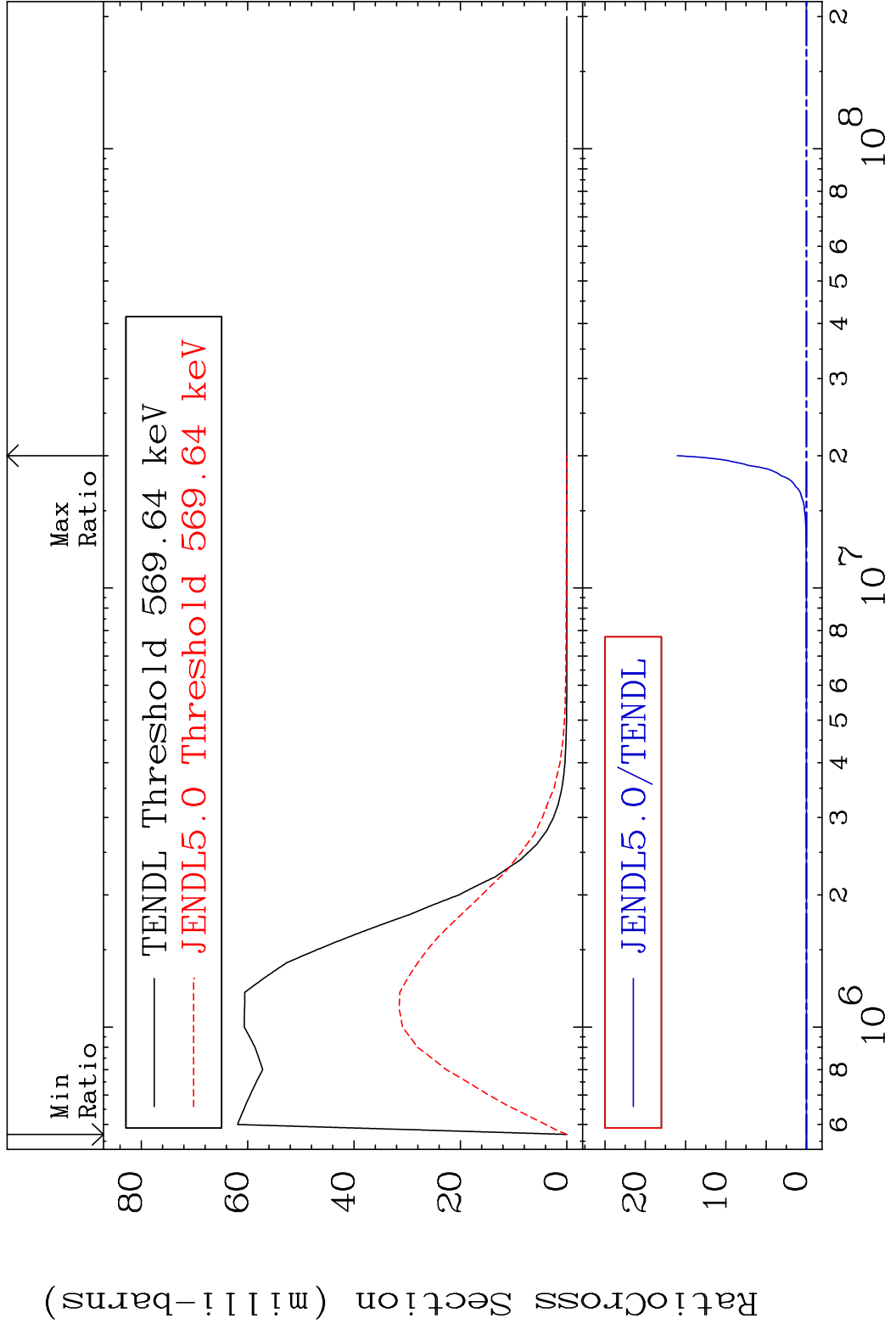
MAT 6440 MT= 67 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 68 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %

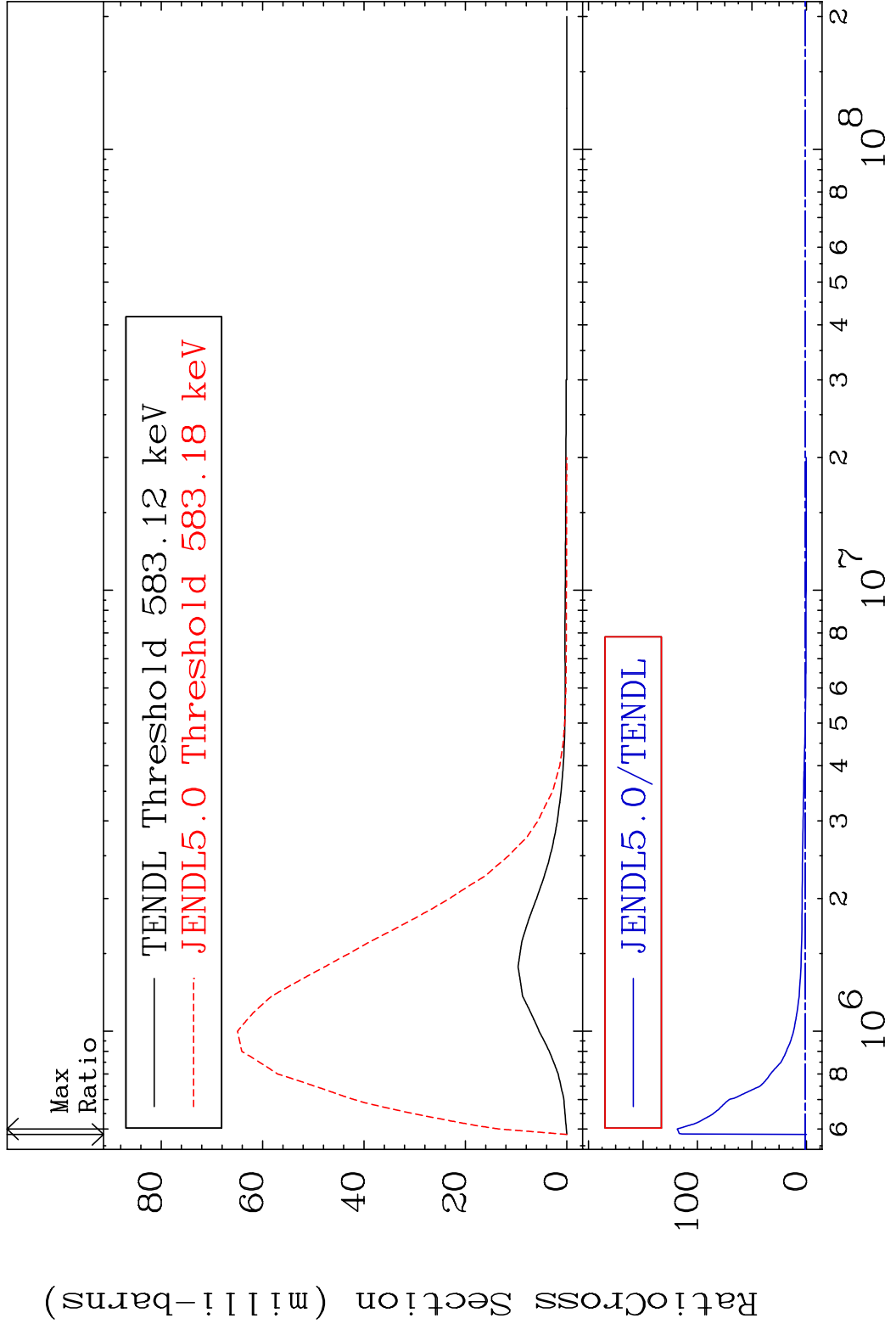


MAT 6440 MT= 69 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %

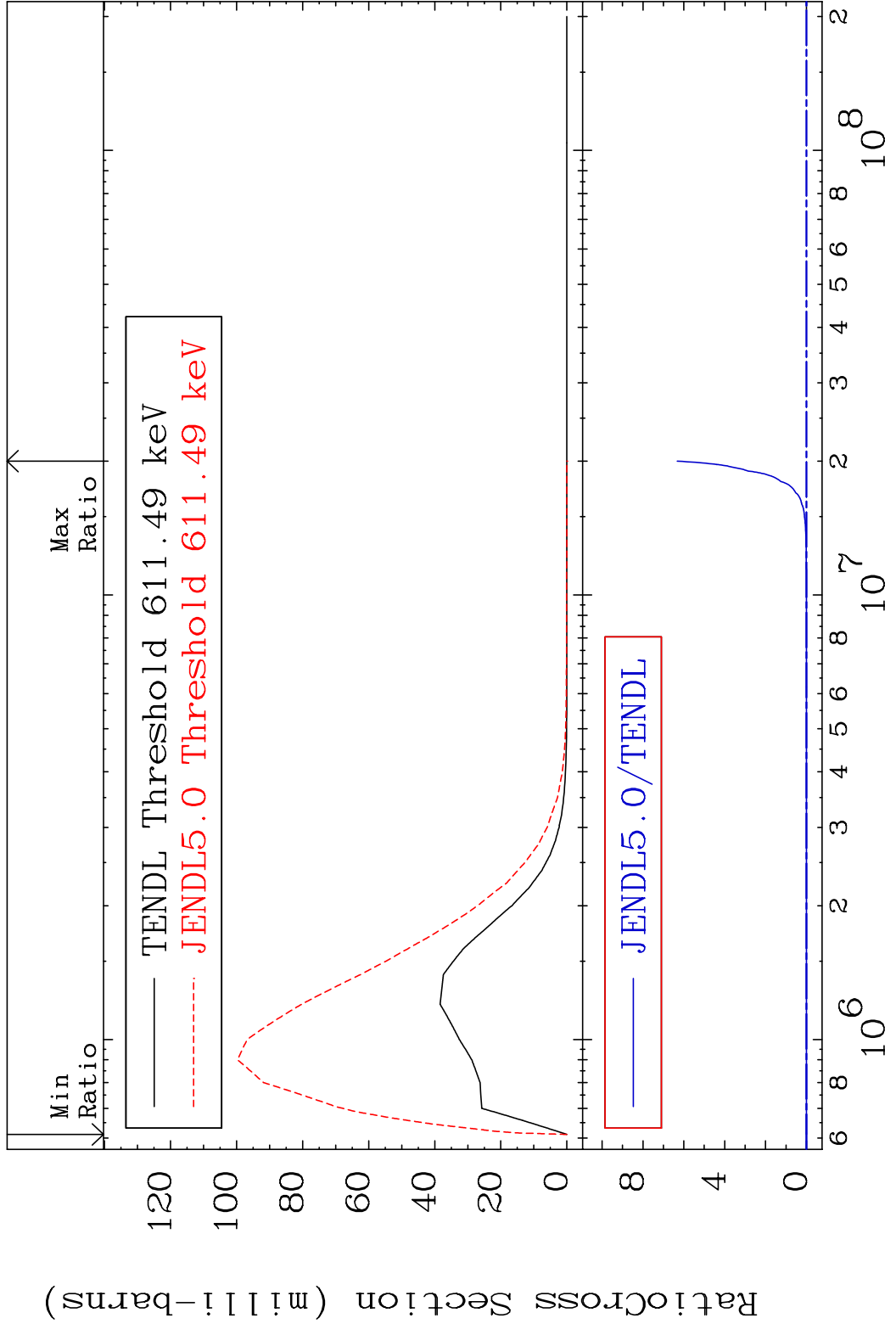


29 Incident Energy (eV) 64-Gd-157

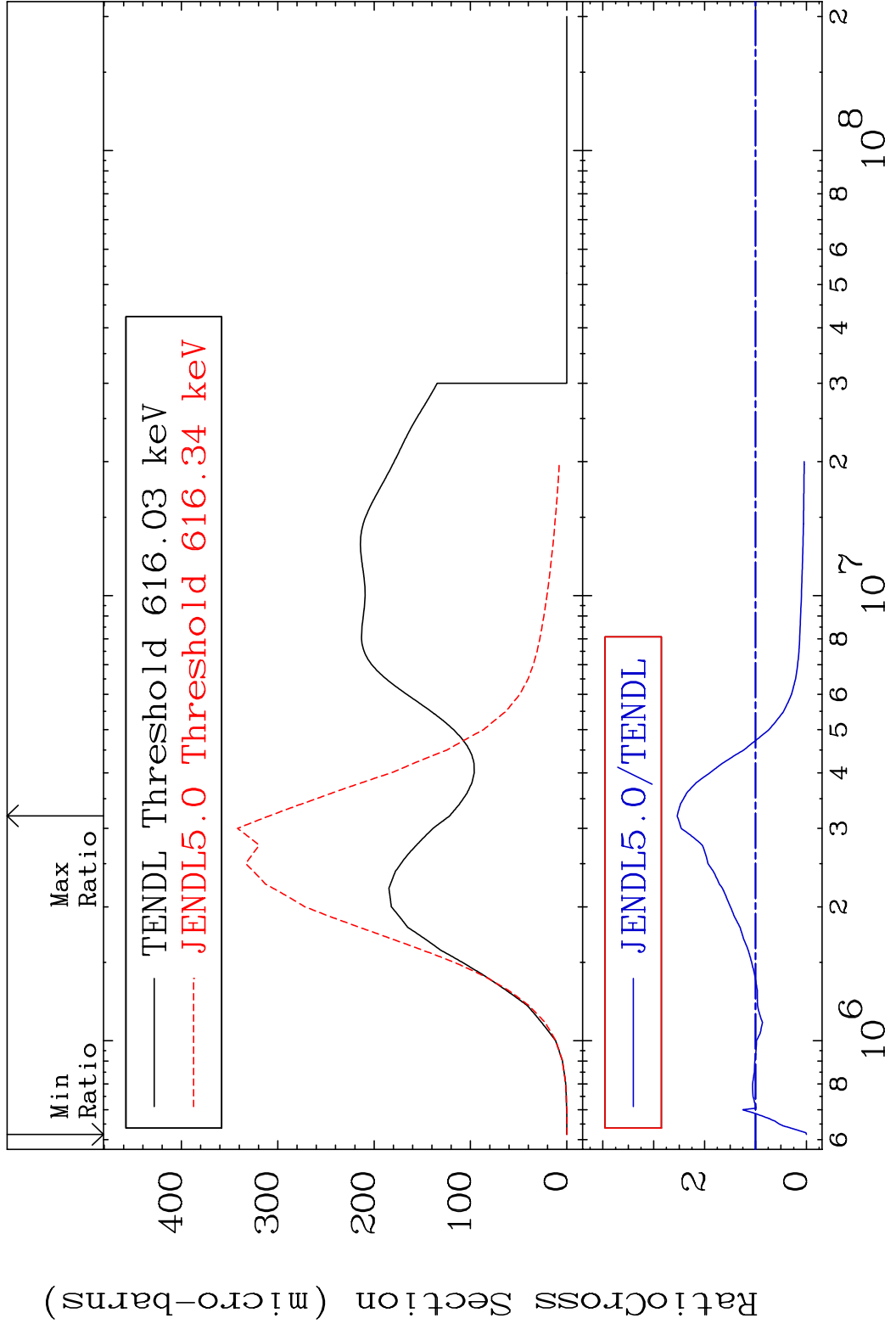
MAT 6440 MT= 70 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



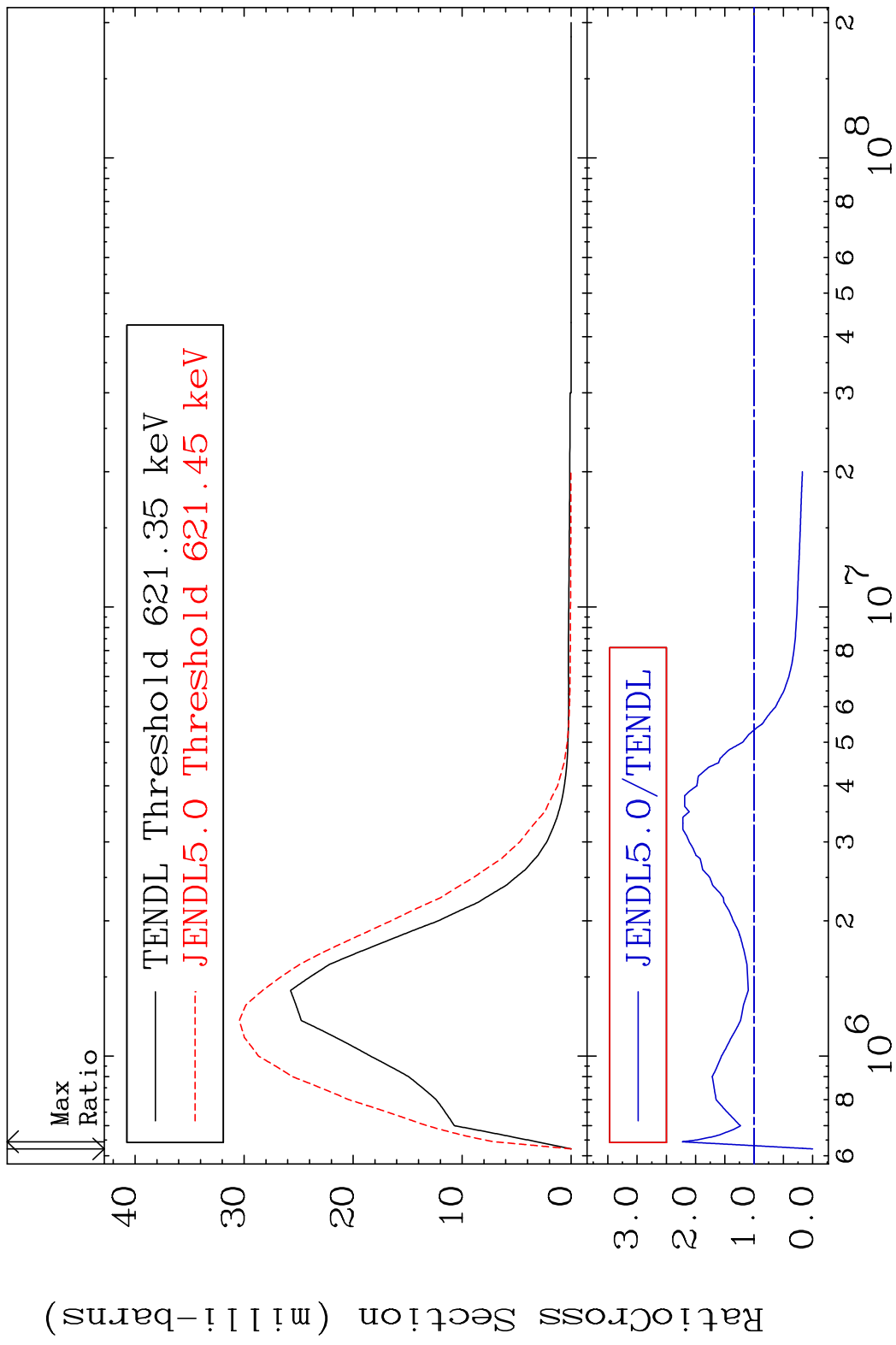
MAT 6440 MT= 71 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



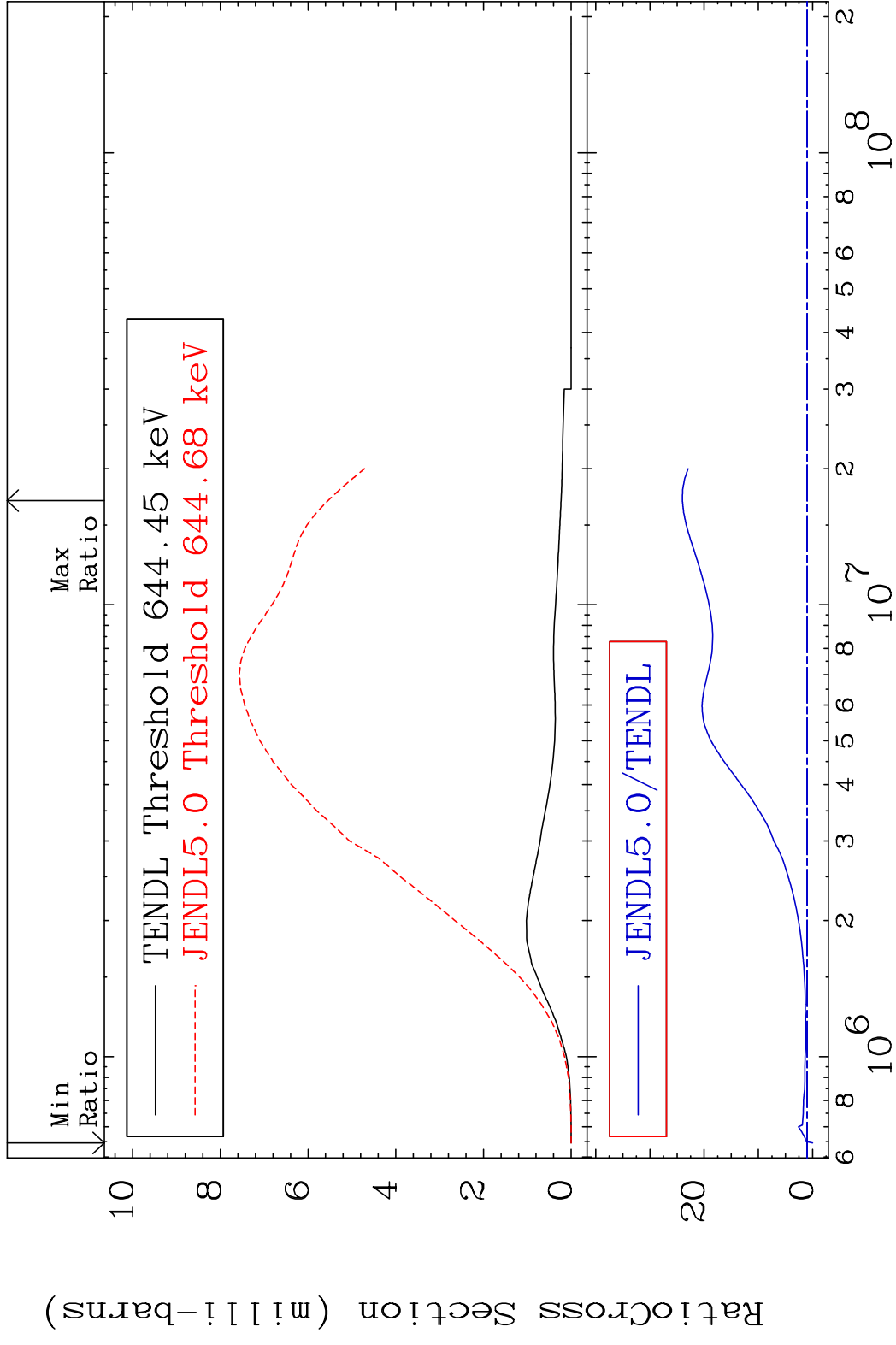
MAT 6440 MT= 72 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 153.9 %



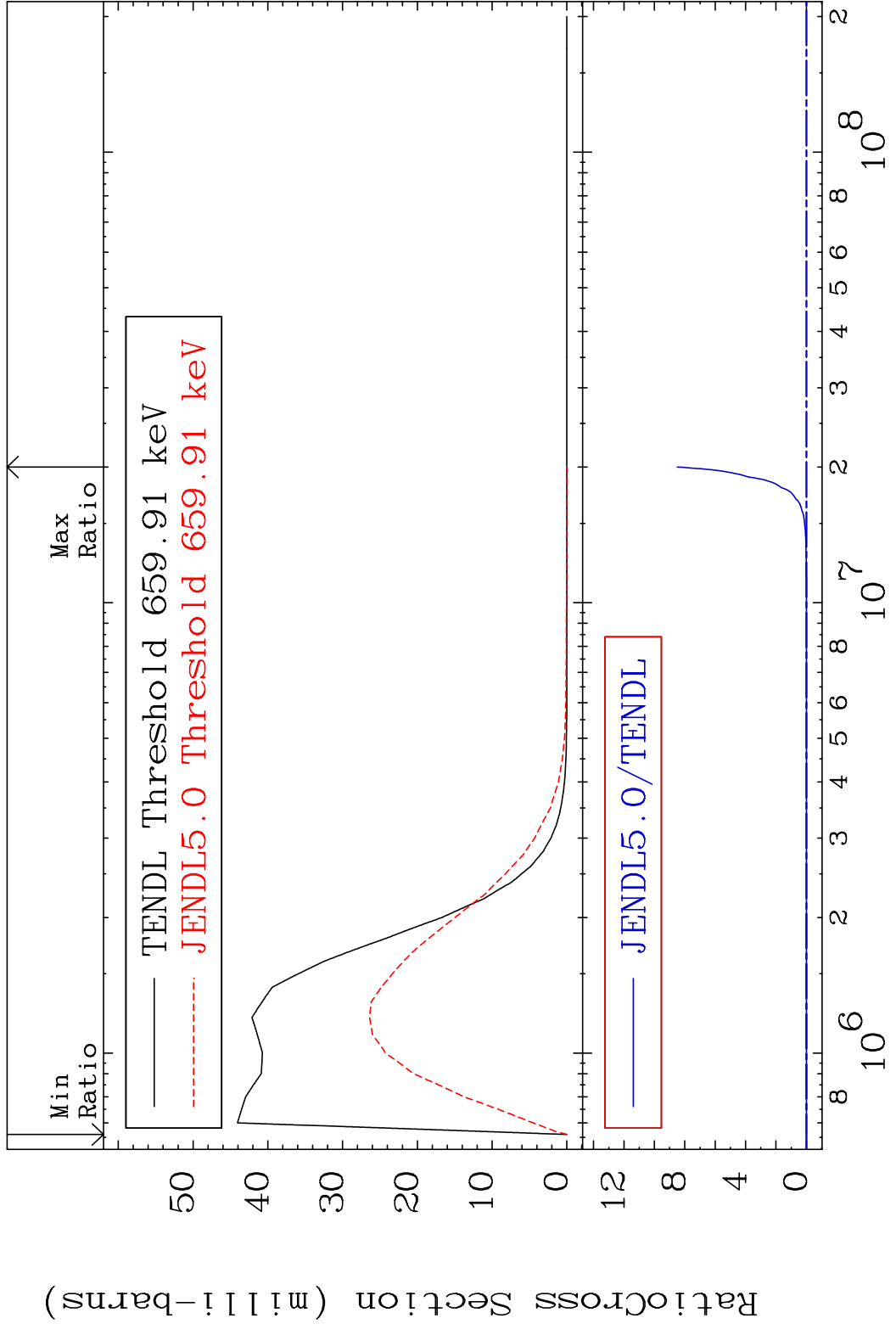
MAT 6440 MT= 73 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 122.6 %



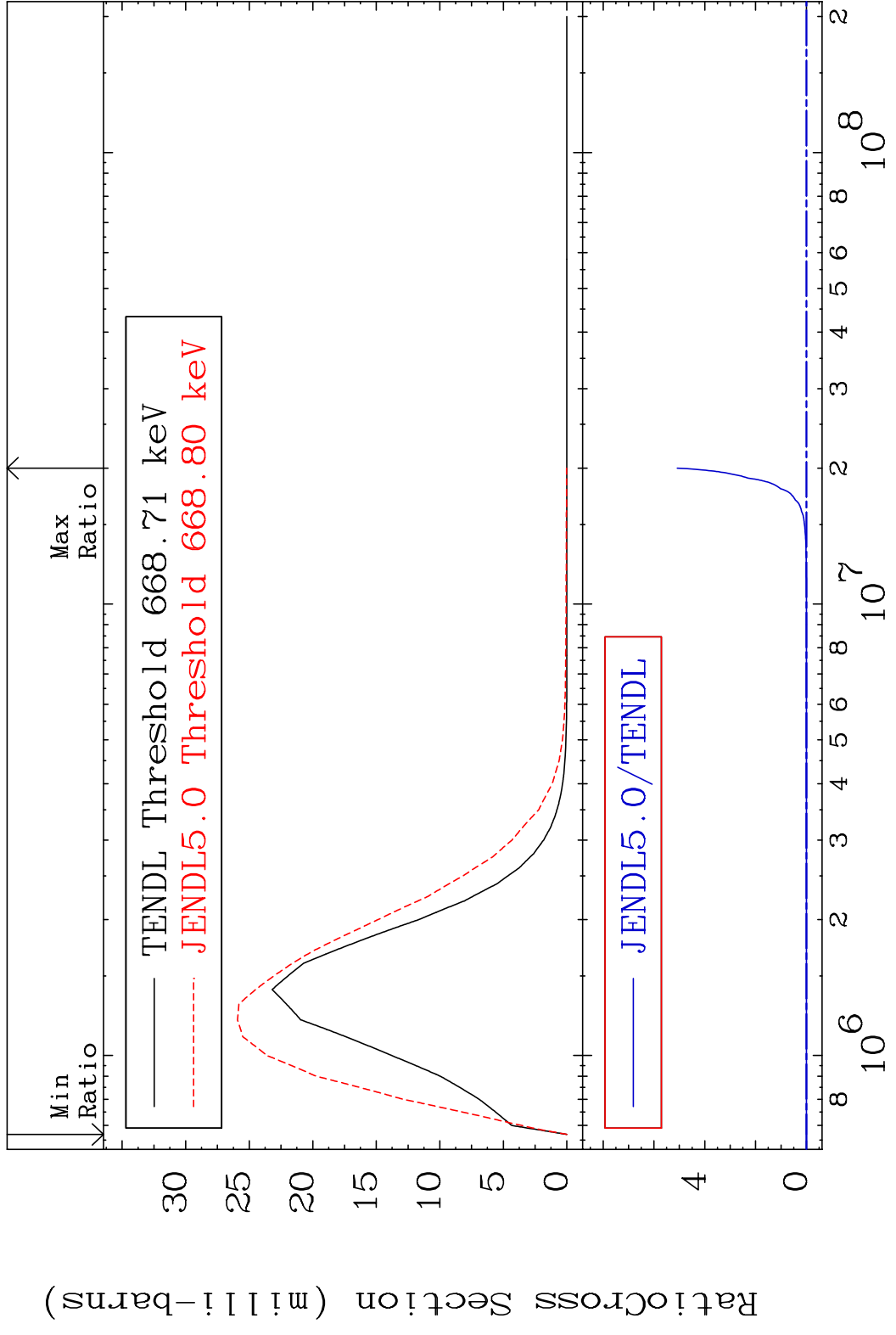
MAT 6440 MT= 74 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 2302. %



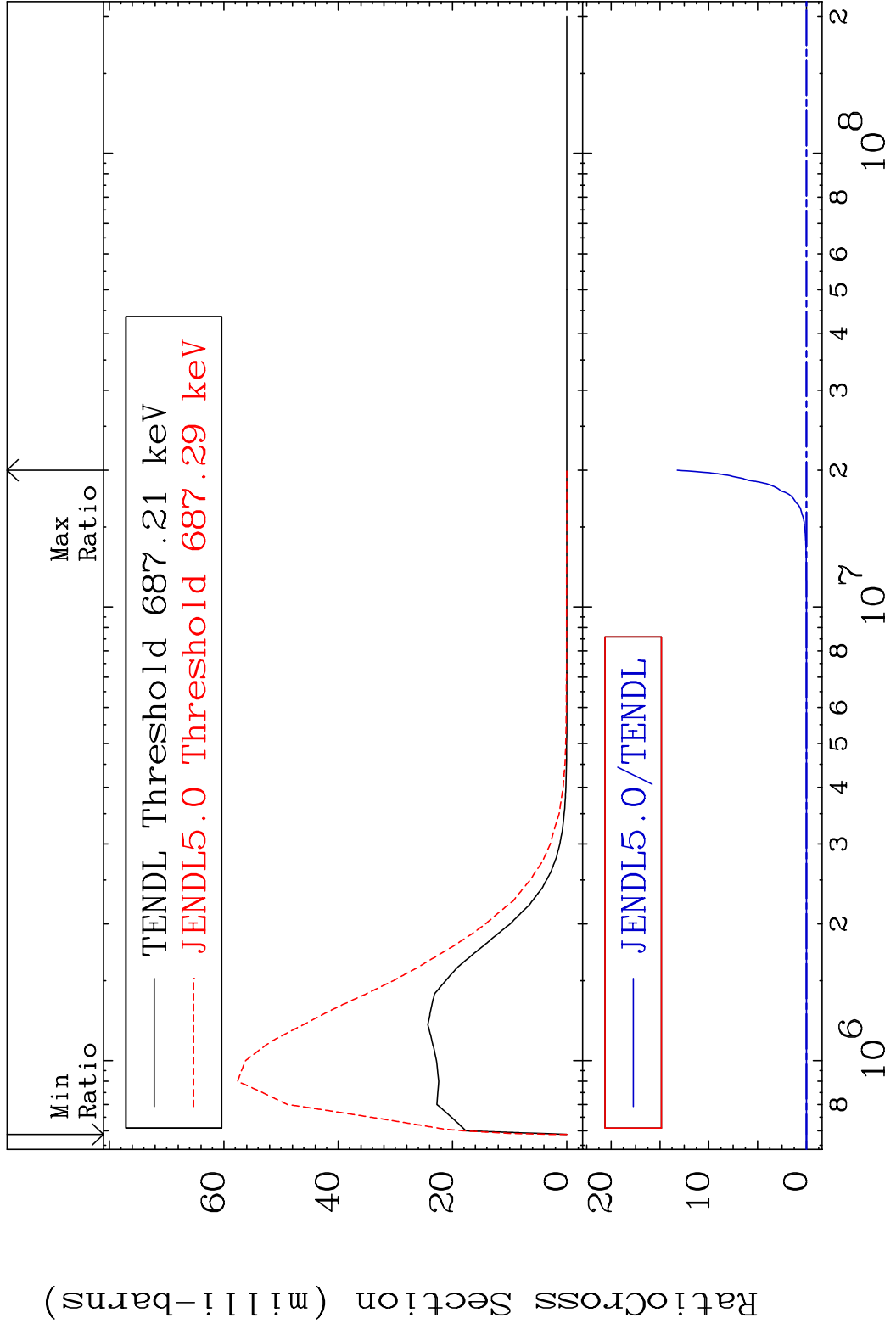
MAT 6440 MT= 75 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



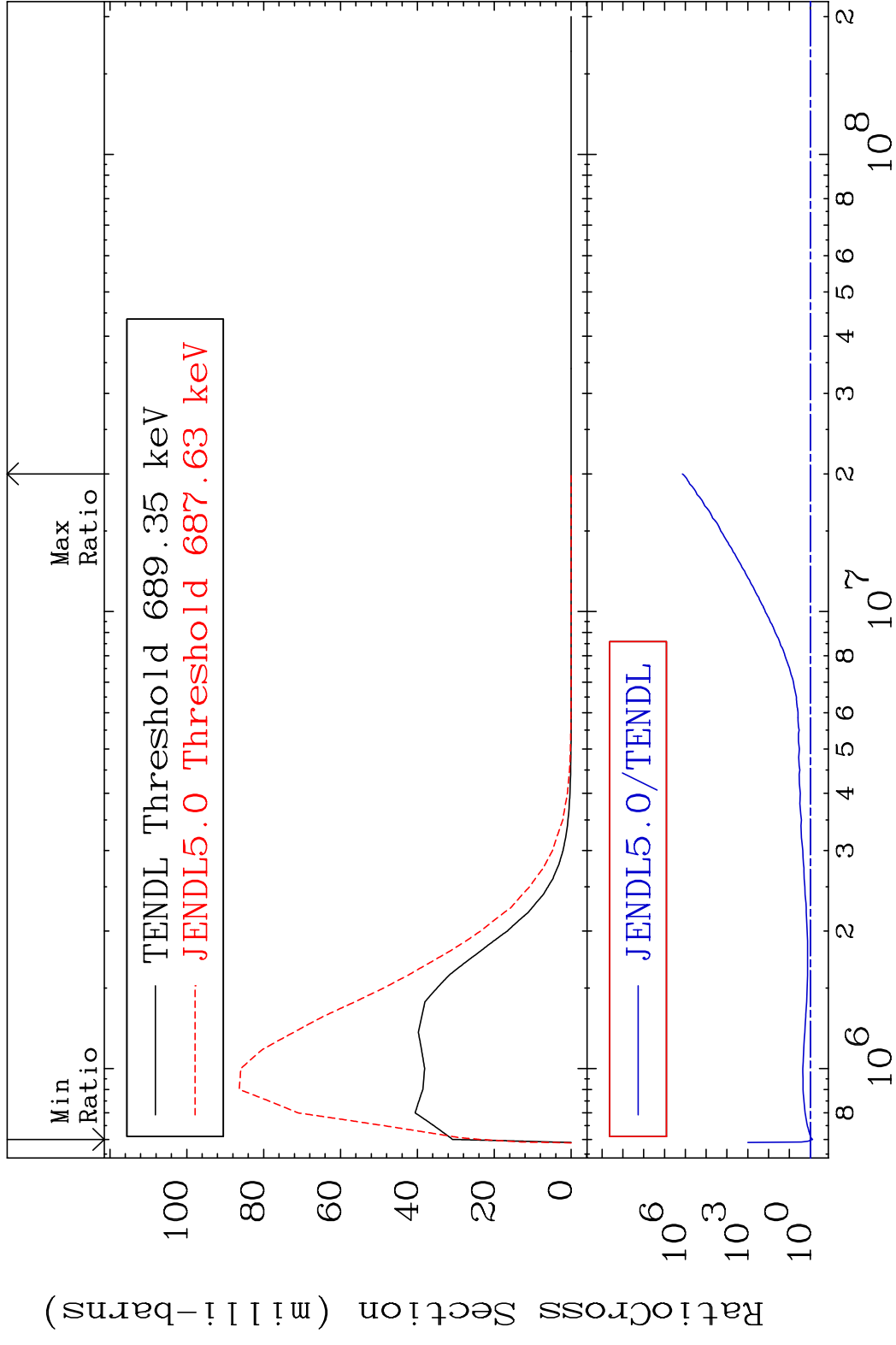
MAT 6440 MT= 76 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



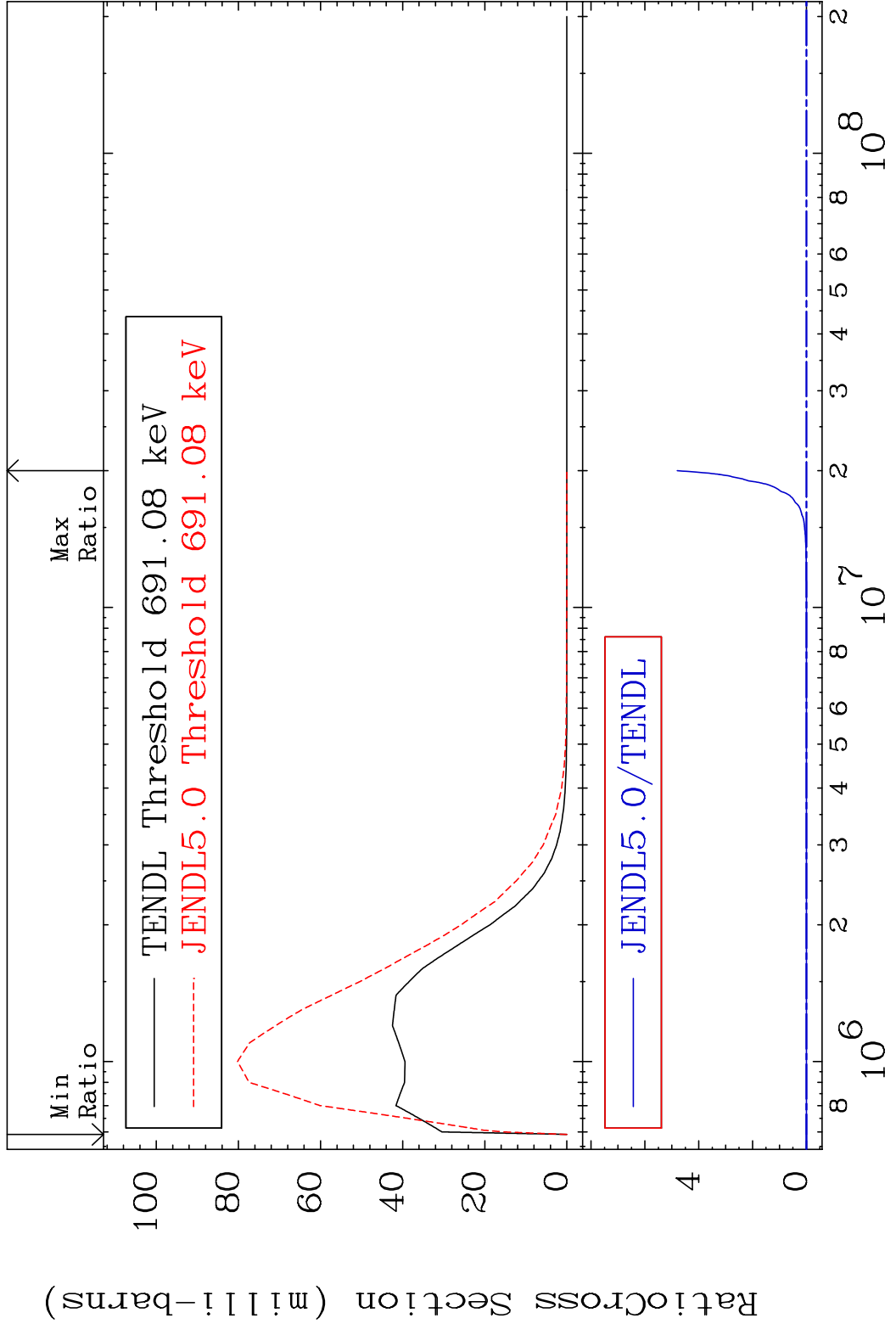
MAT 6440 MT= 77 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



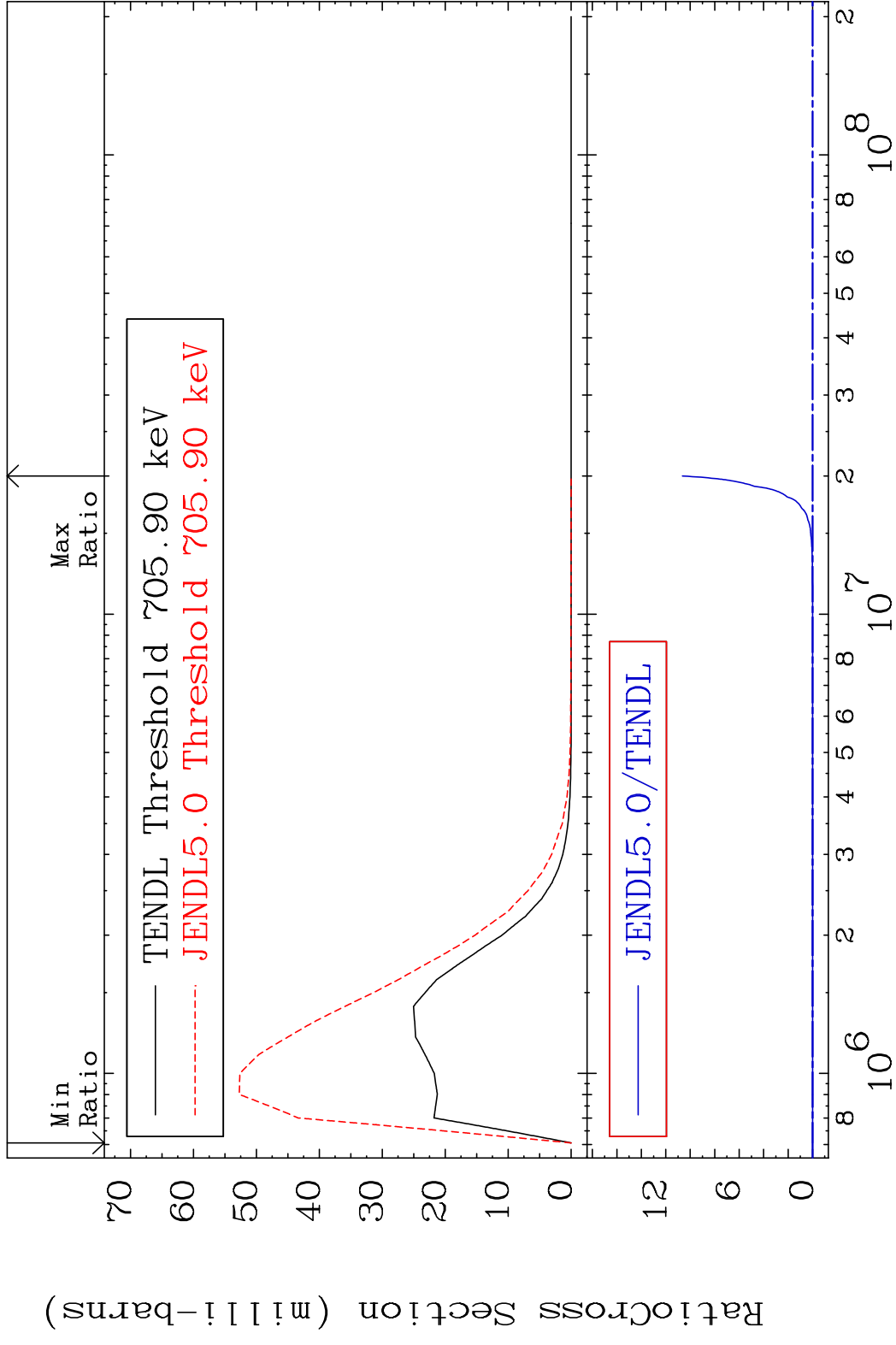
MAT 6440 MT= 78 (n, n') Level 64-Gd-157
 Cross Section -22.70 To 9999. %



MAT 6440 MT= 79 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 80 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 64-Gd-157

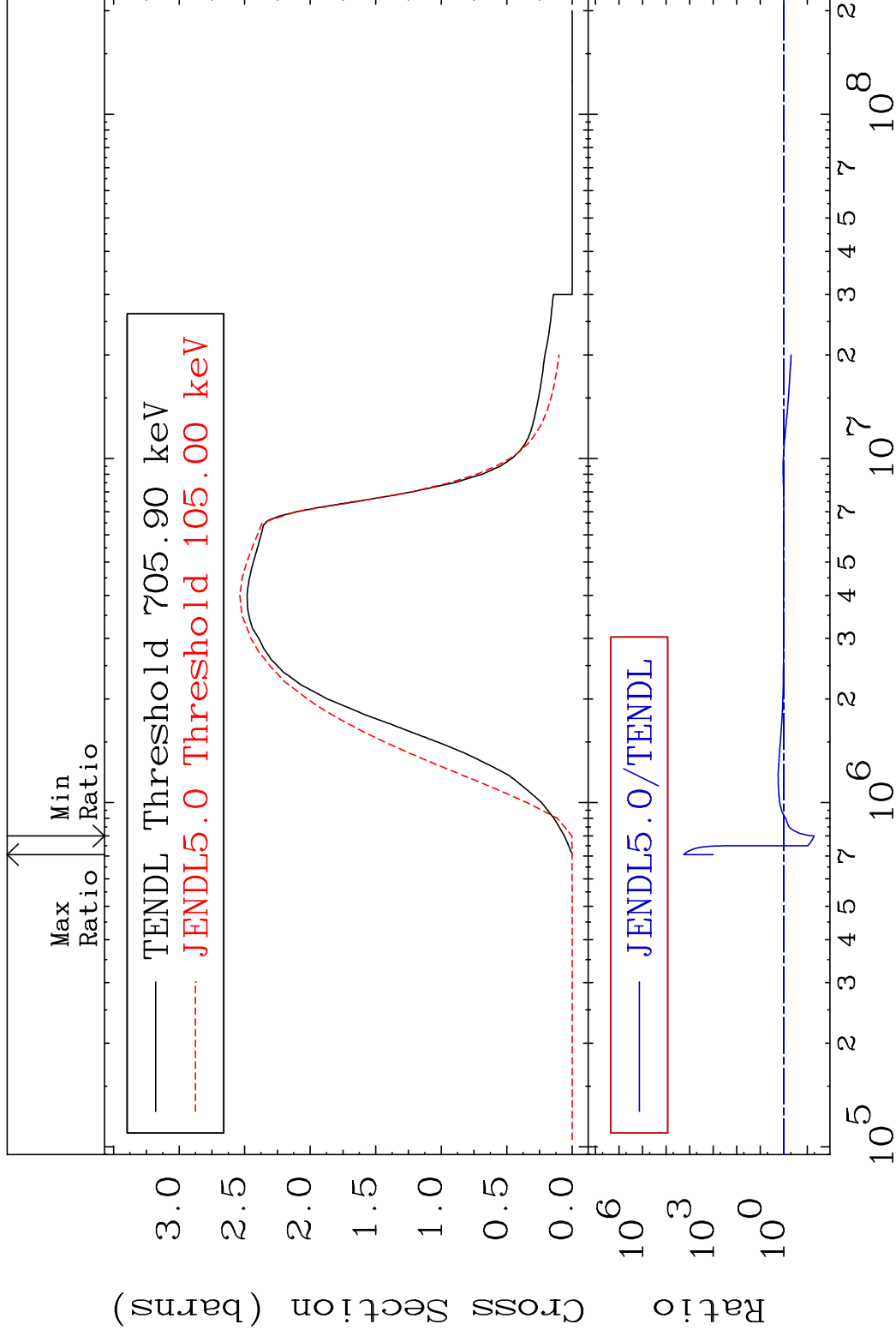
MAT 6440

(n,n') Continuum

64-Gd-157

Cross Section

-94.90 To 9999. %



41

Incident Energy (eV)

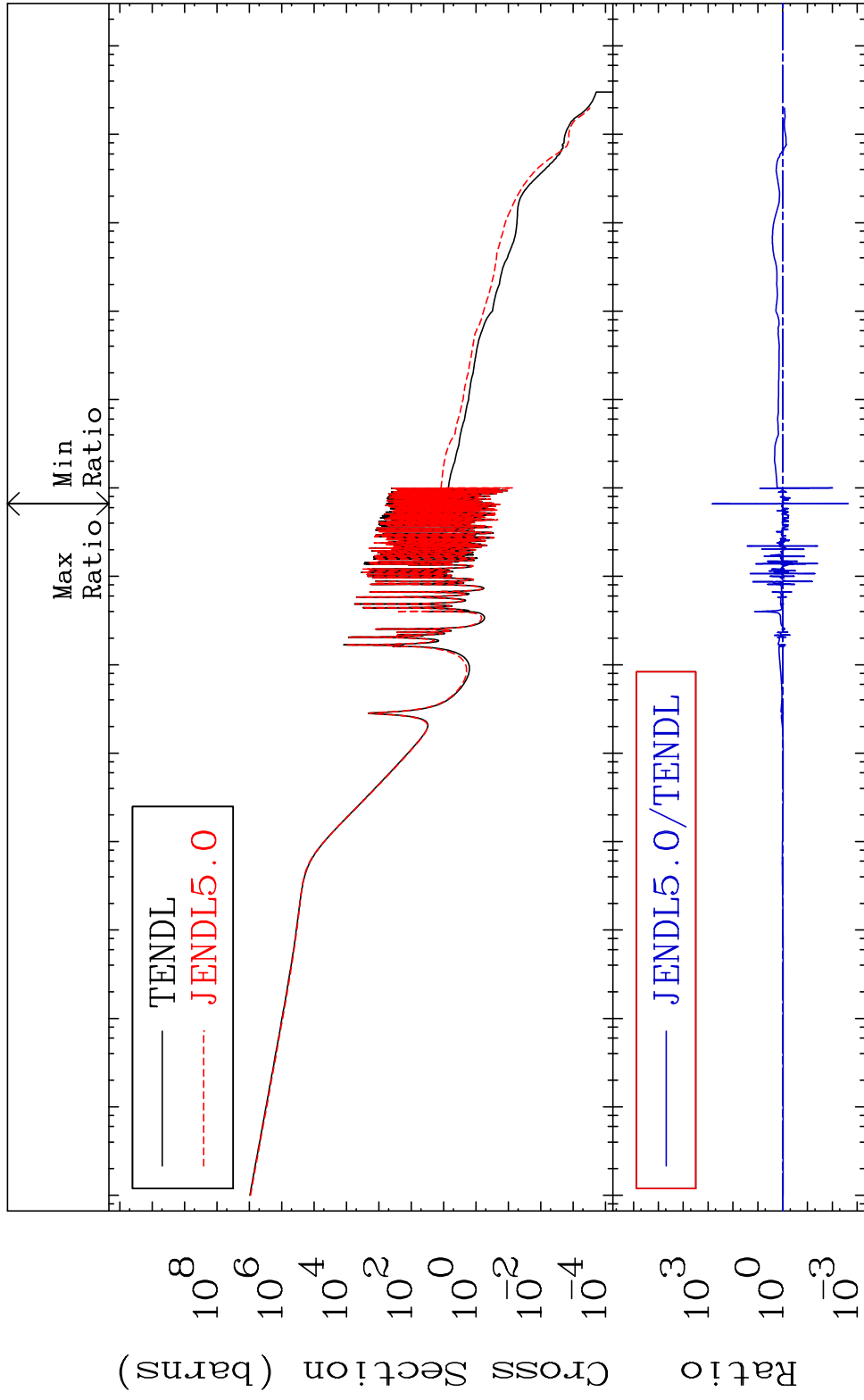
64-Gd-157

MAT 6440

(n, γ)

64-Gd-157

Cross Section -99.77 To 9999. %

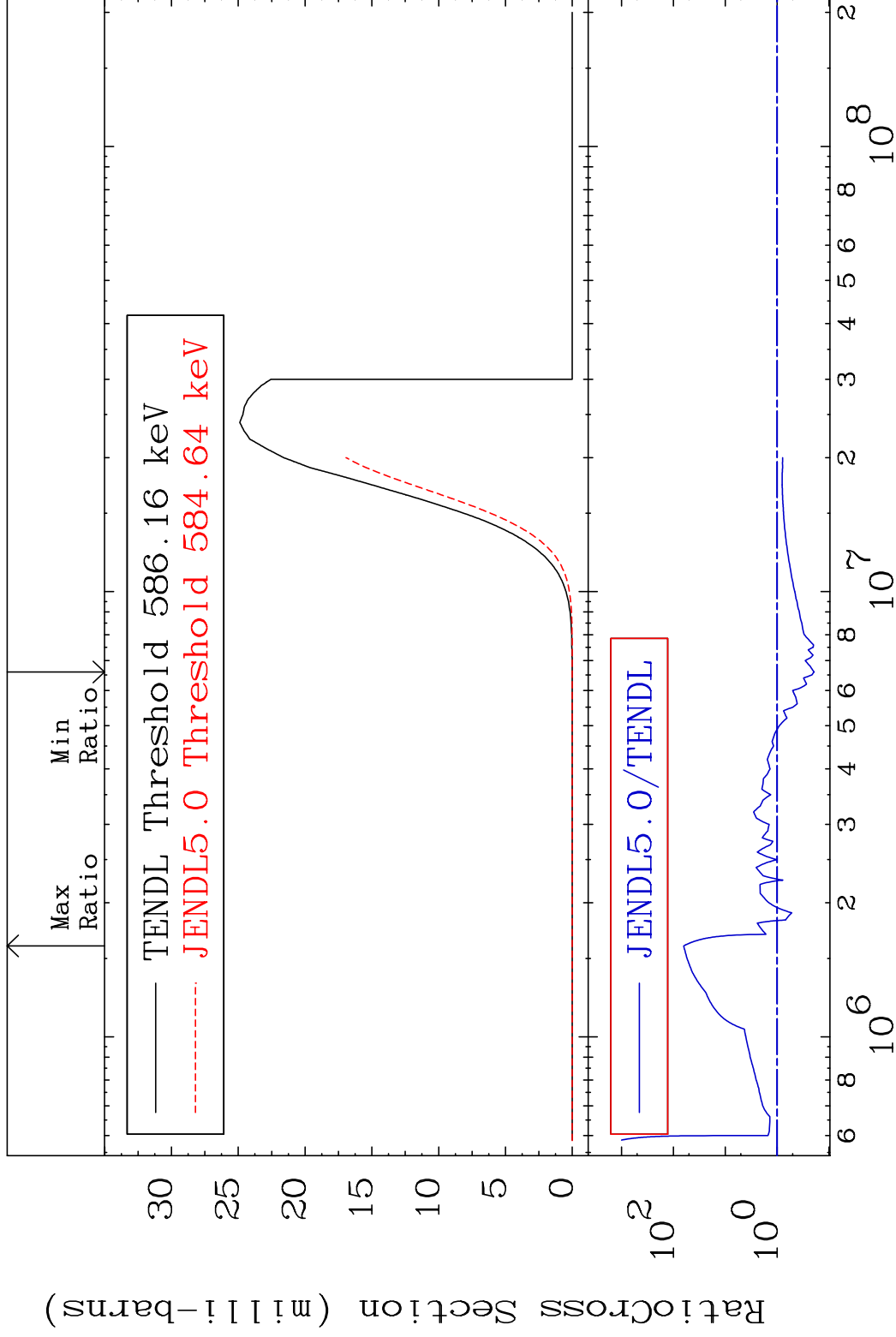


MAT 6440

(n, p)

64-Gd-157

Cross Section -80.62 To 6226. %

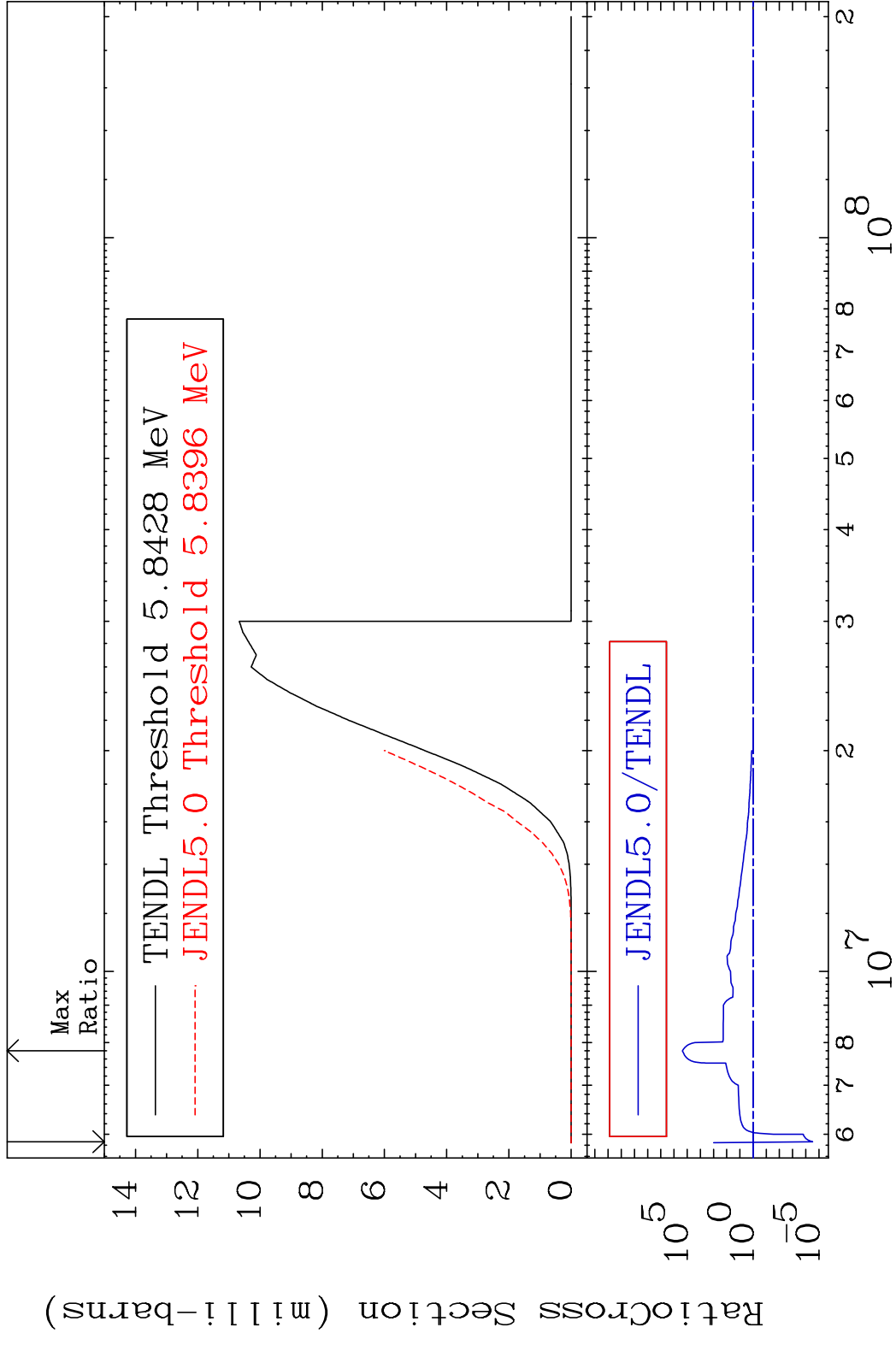


43

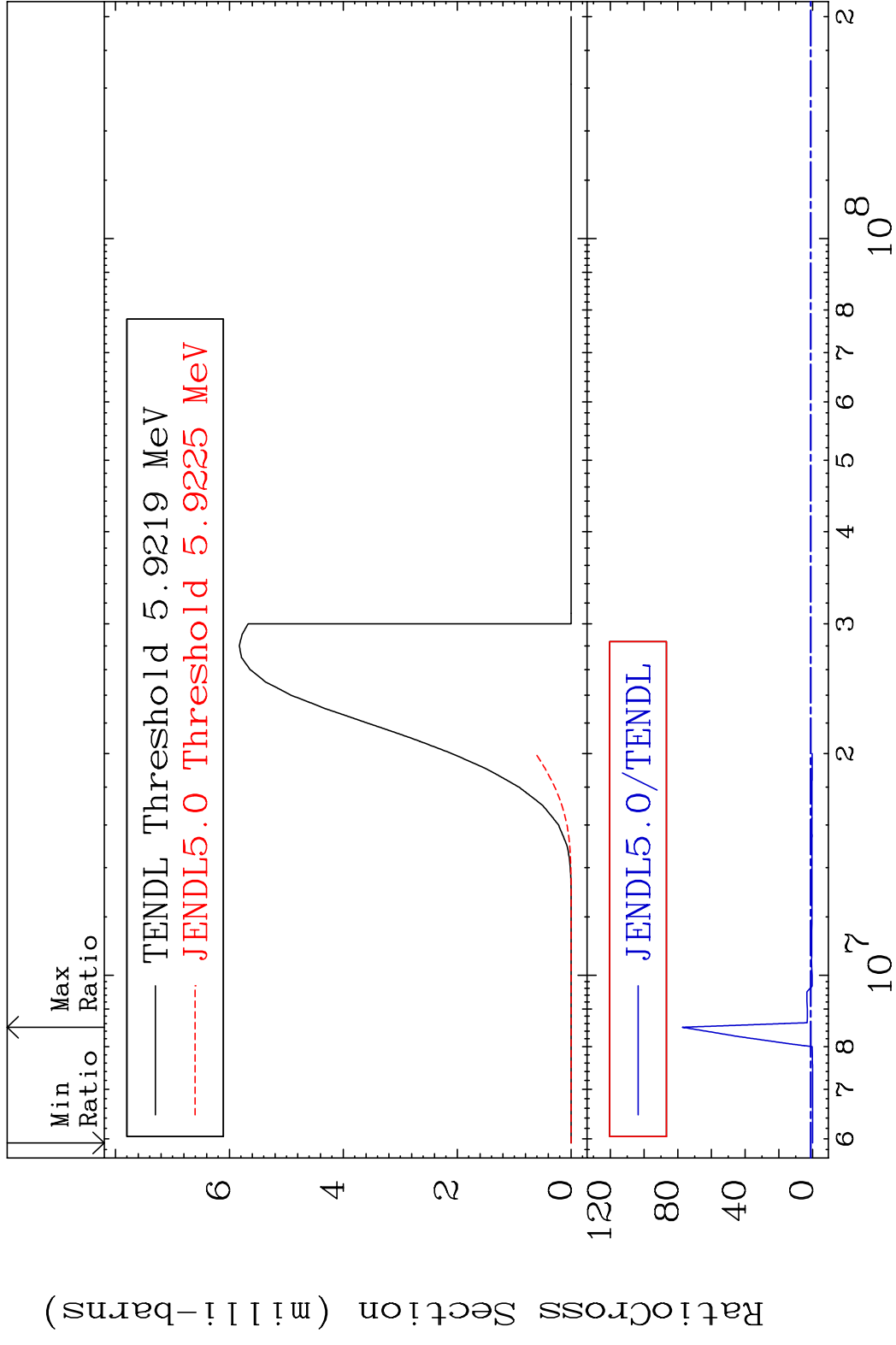
Incident Energy (eV)

64-Gd-157

MAT 6440 (n,d) 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 (n, t) 64-Gd-157
 Cross Section -100.0 To 7627. %



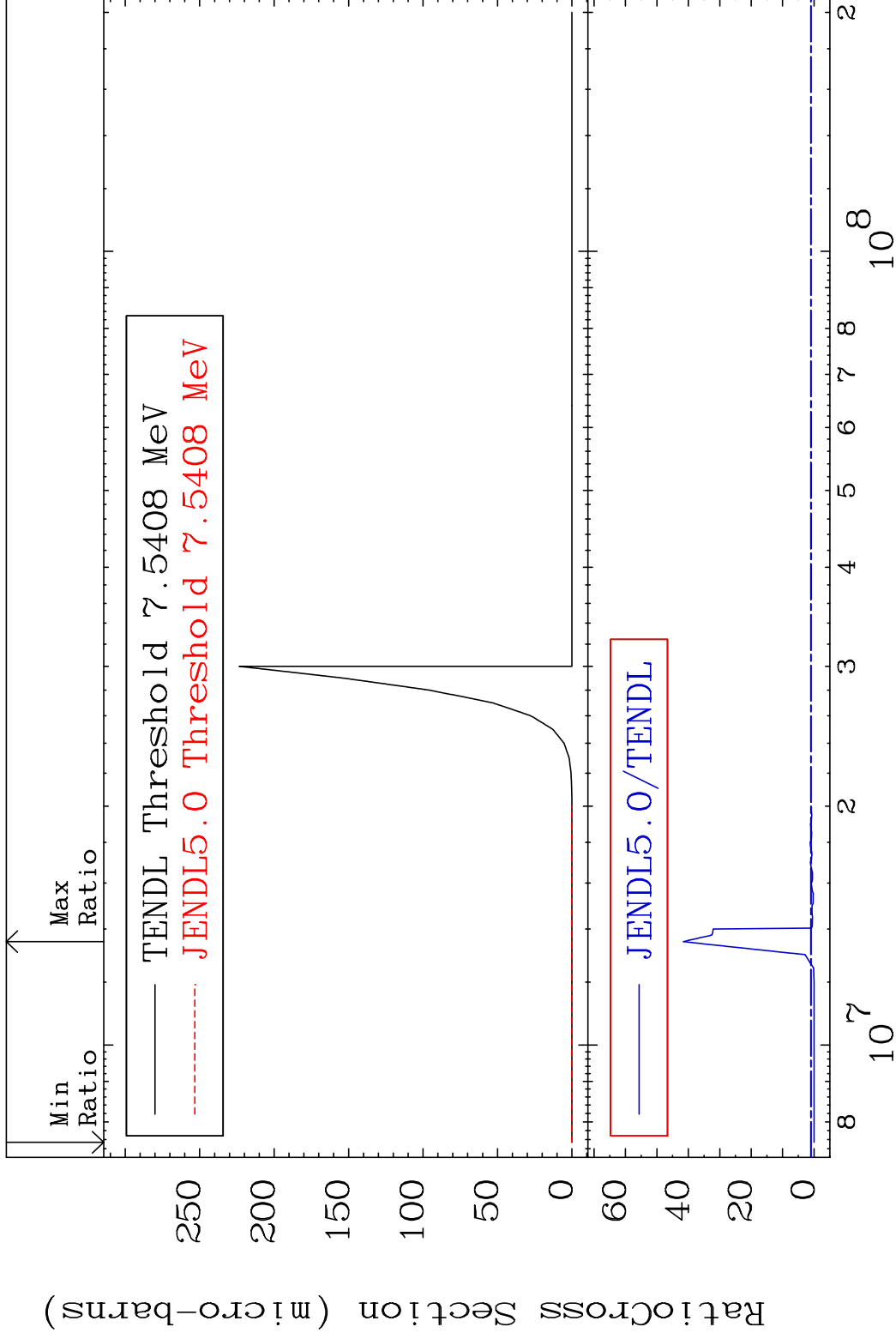
45 64-Gd-157

MAT 6440

(n, He-3)

64-Gd-157

Cross Section -100.0 To 4055. %



46

Incident Energy (eV)

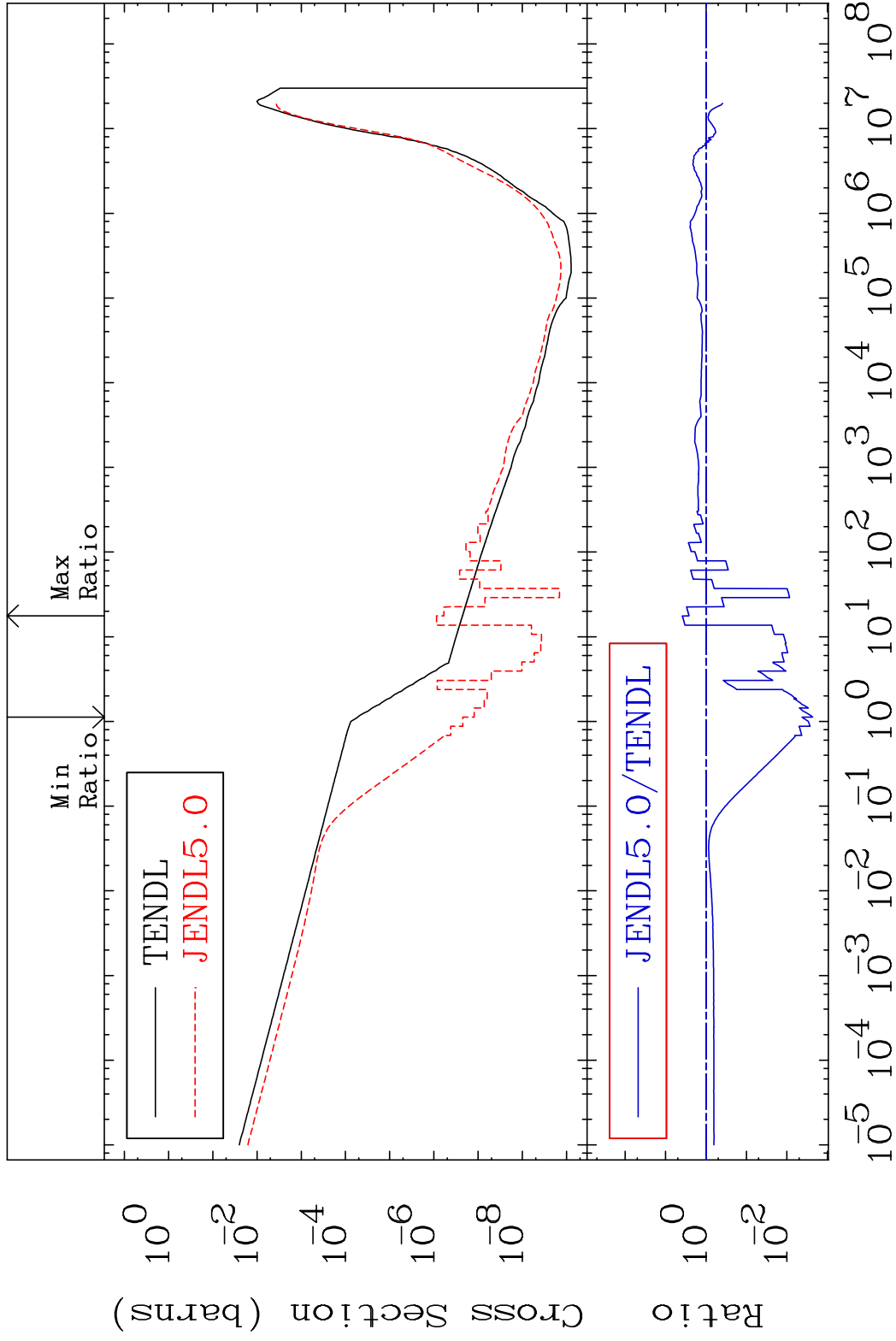
64-Gd-157

MAT 6440

(n, α)

64-Gd-157

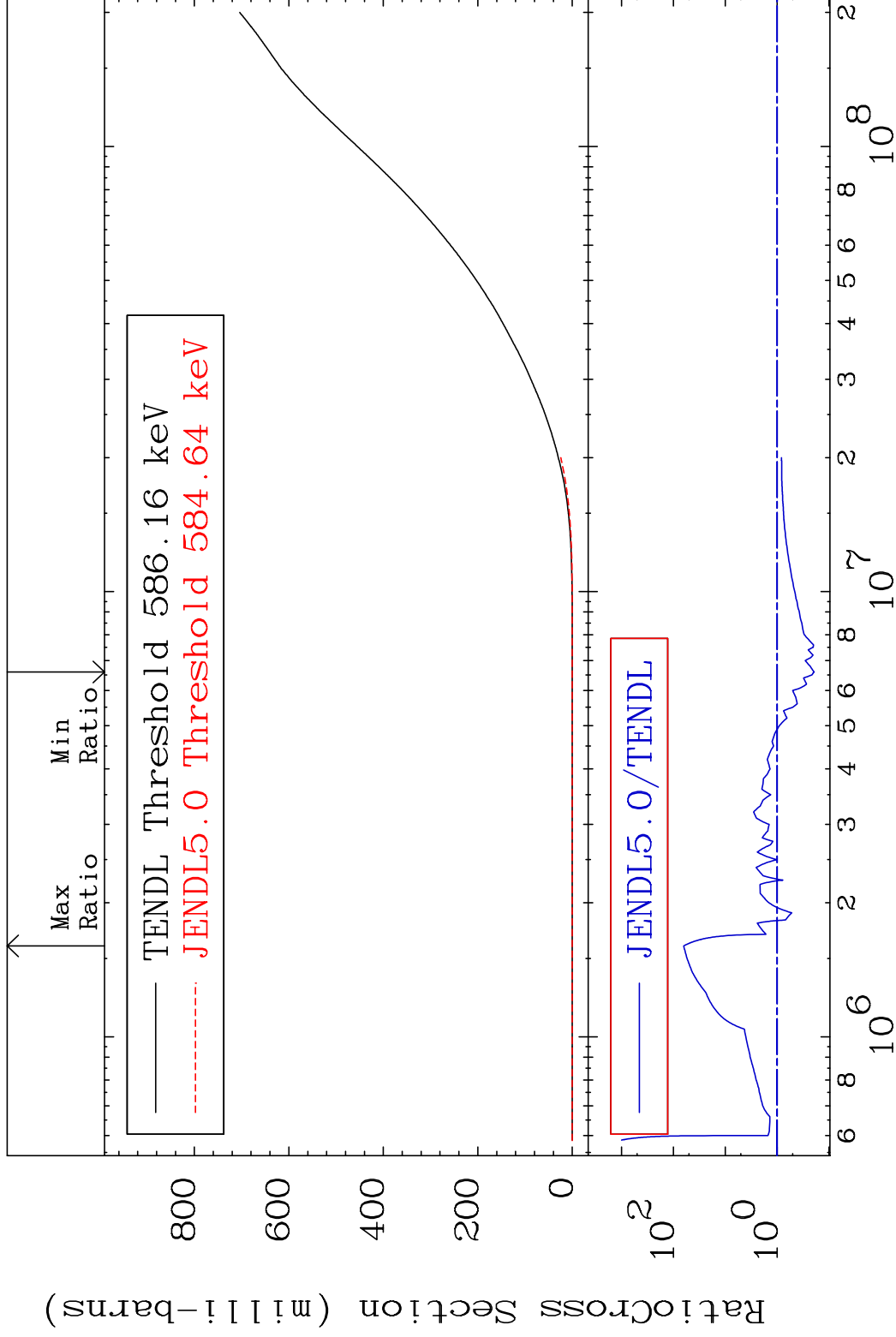
Cross Section -99.77 To 284.2 %



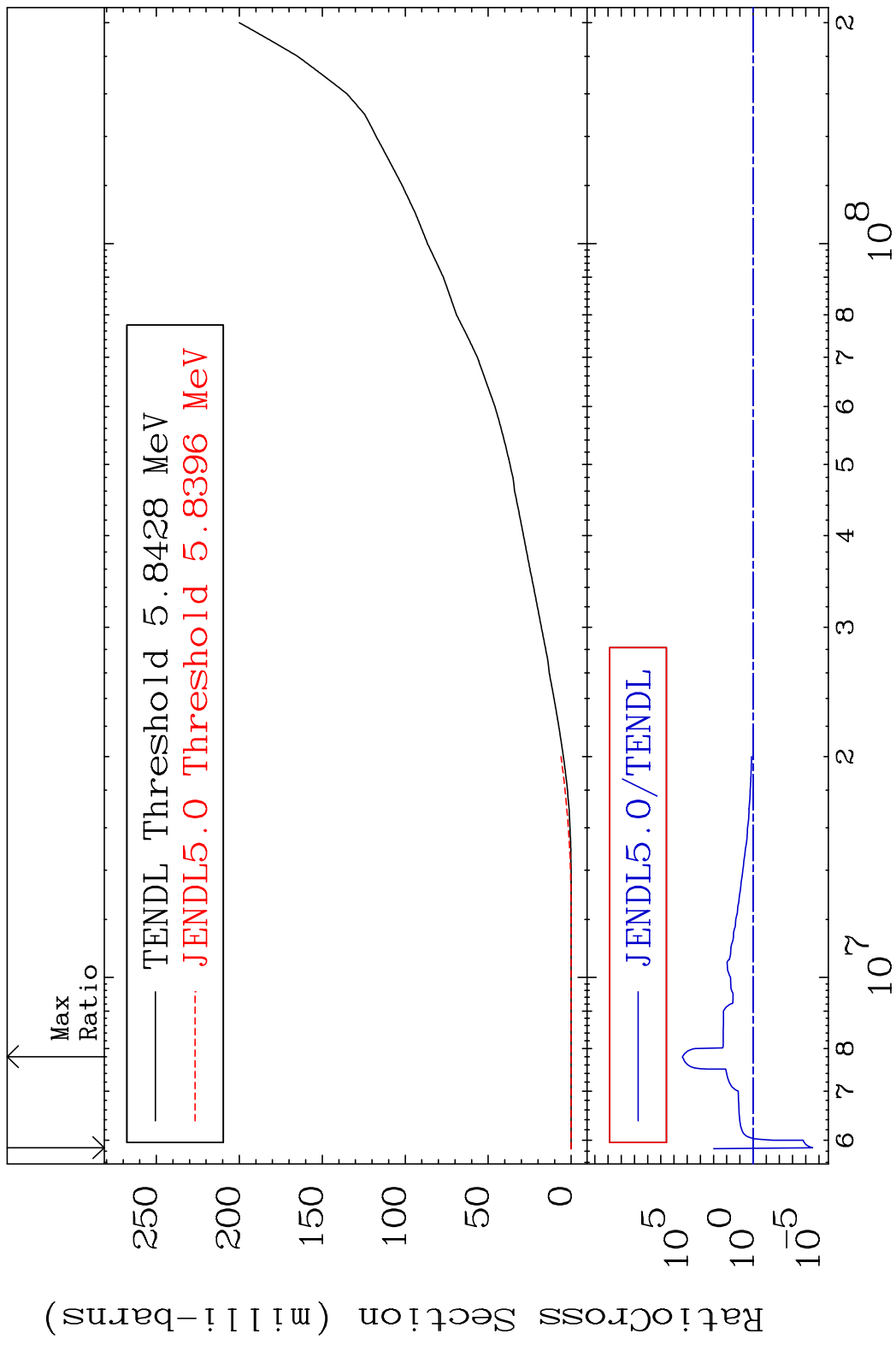
47

Incident Energy (eV)

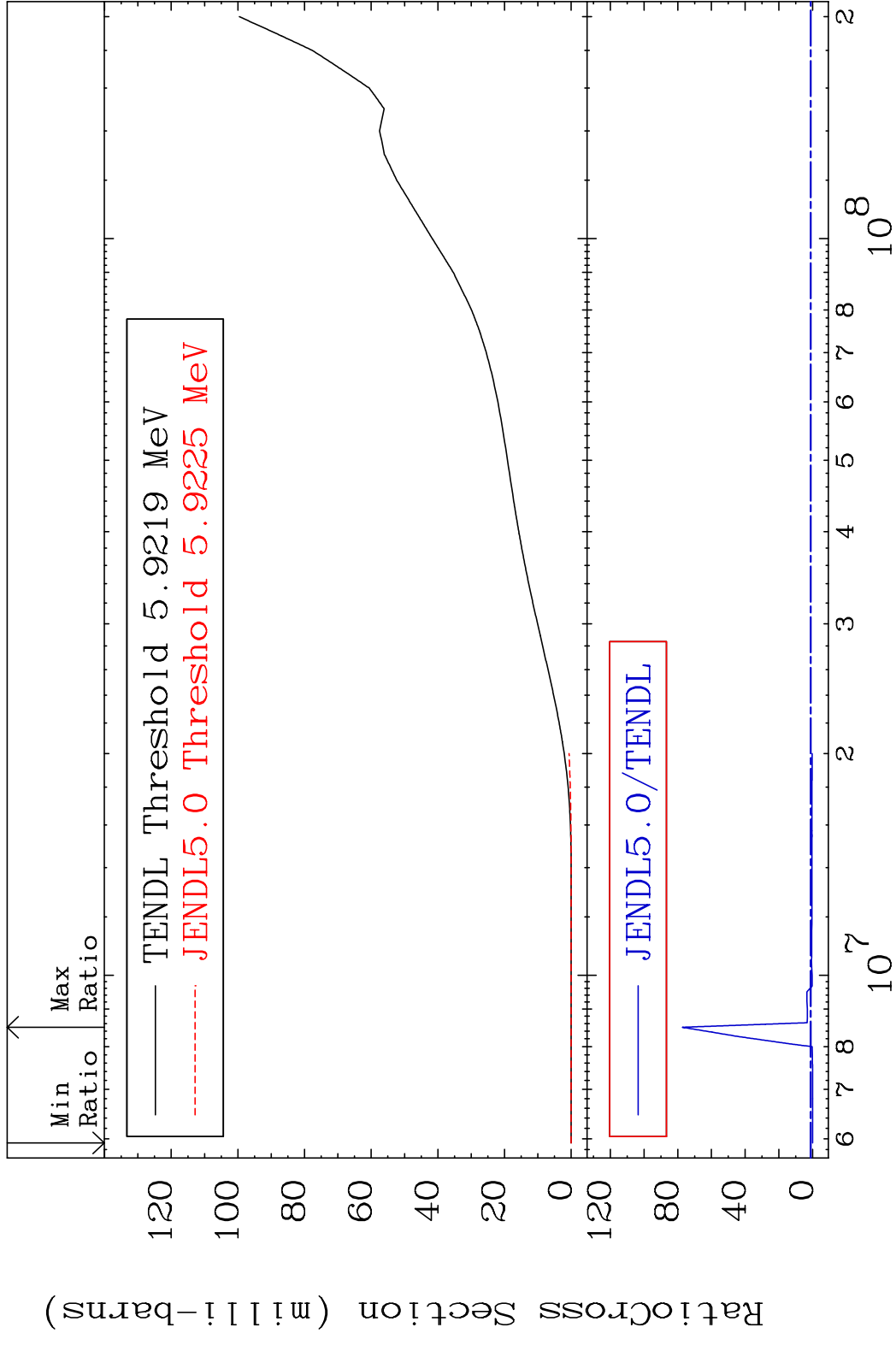
64-Gd-157



MAT 6440 Deuterium Production 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 Tritium Production 64-Gd-157
 Cross Section -100.0 To 7627. %

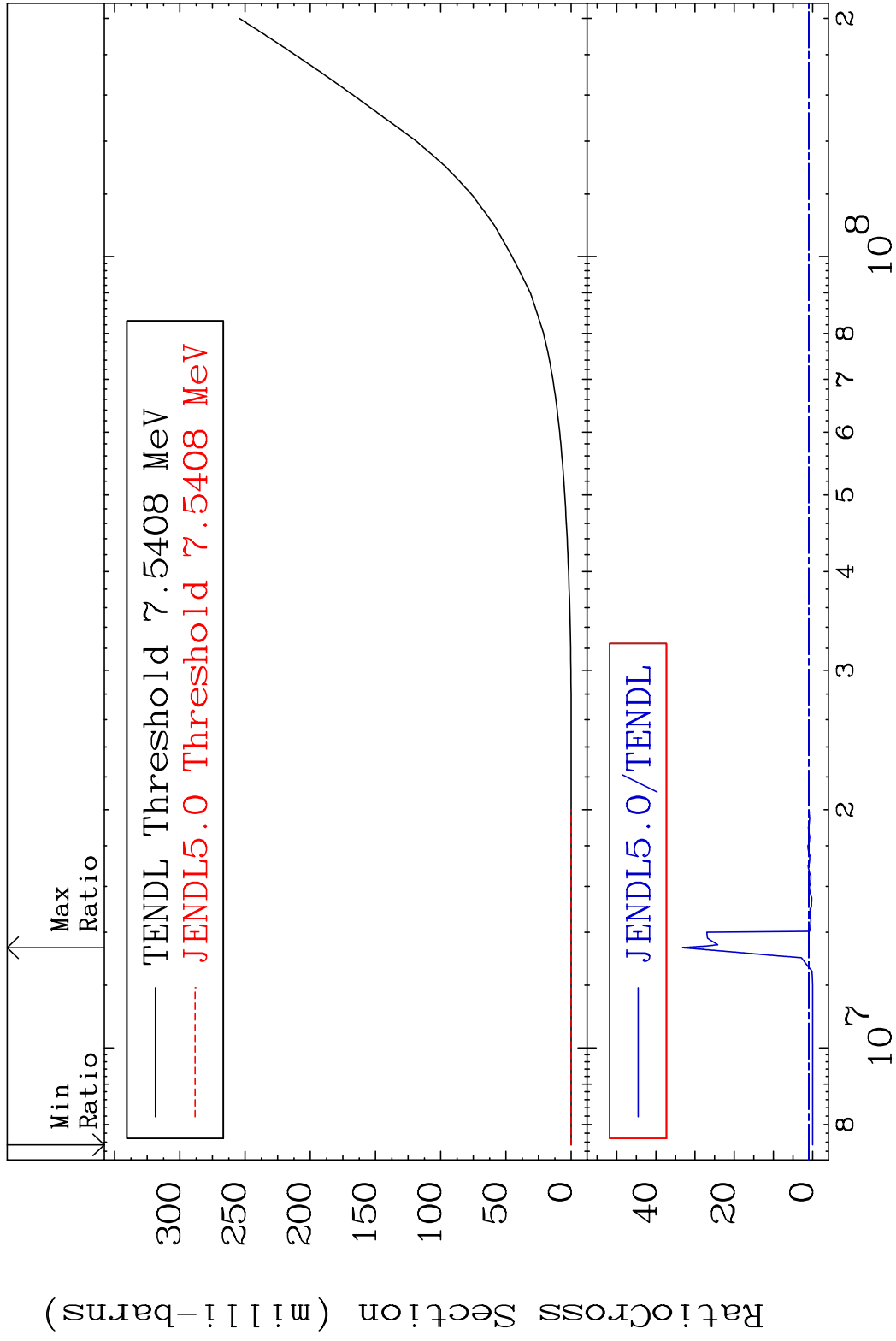


MAT 6440

He-3 Production

64-Gd-157

Cross Section -100.0 To 3224. %



51

Incident Energy (eV)

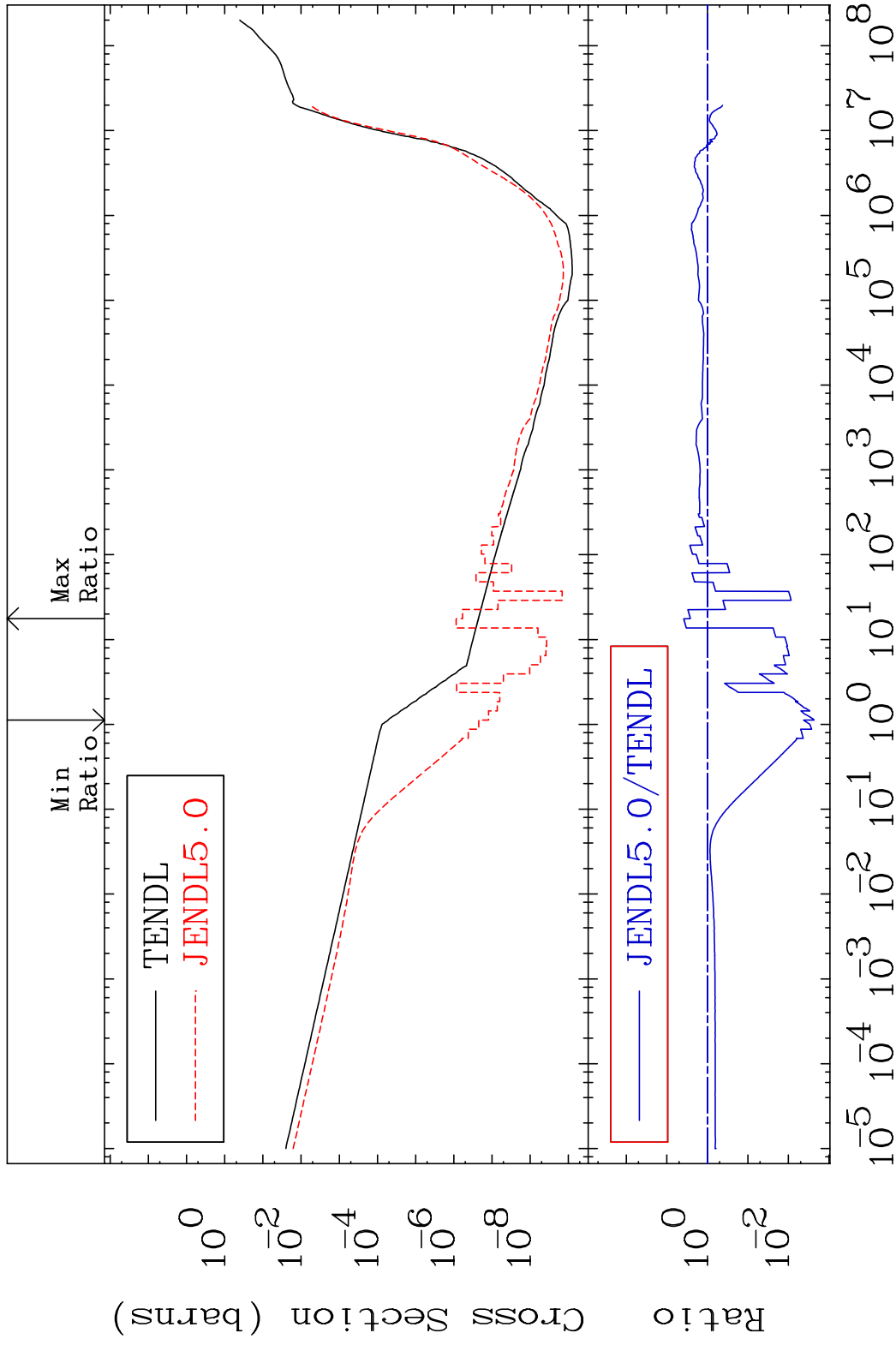
64-Gd-157

MAT 6440

He-4 Production

64-Gd-157

Cross Section -99.777 To 284.2 %



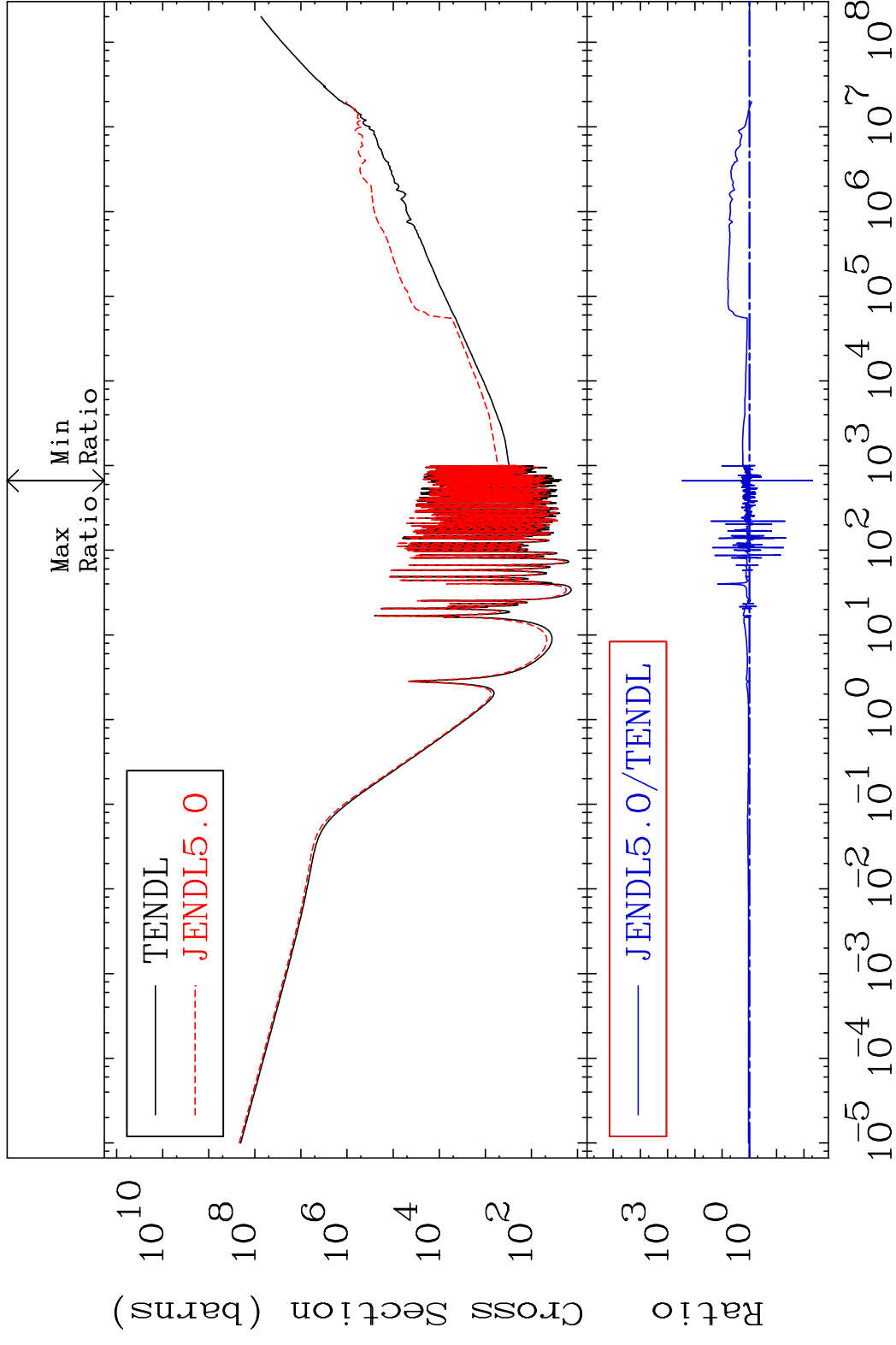
52

Incident Energy (eV)

64-Gd-157

MAT 6440

Kerma total (eV-barns) 64-Gd-157
Cross Section -99.52 To 9999. %

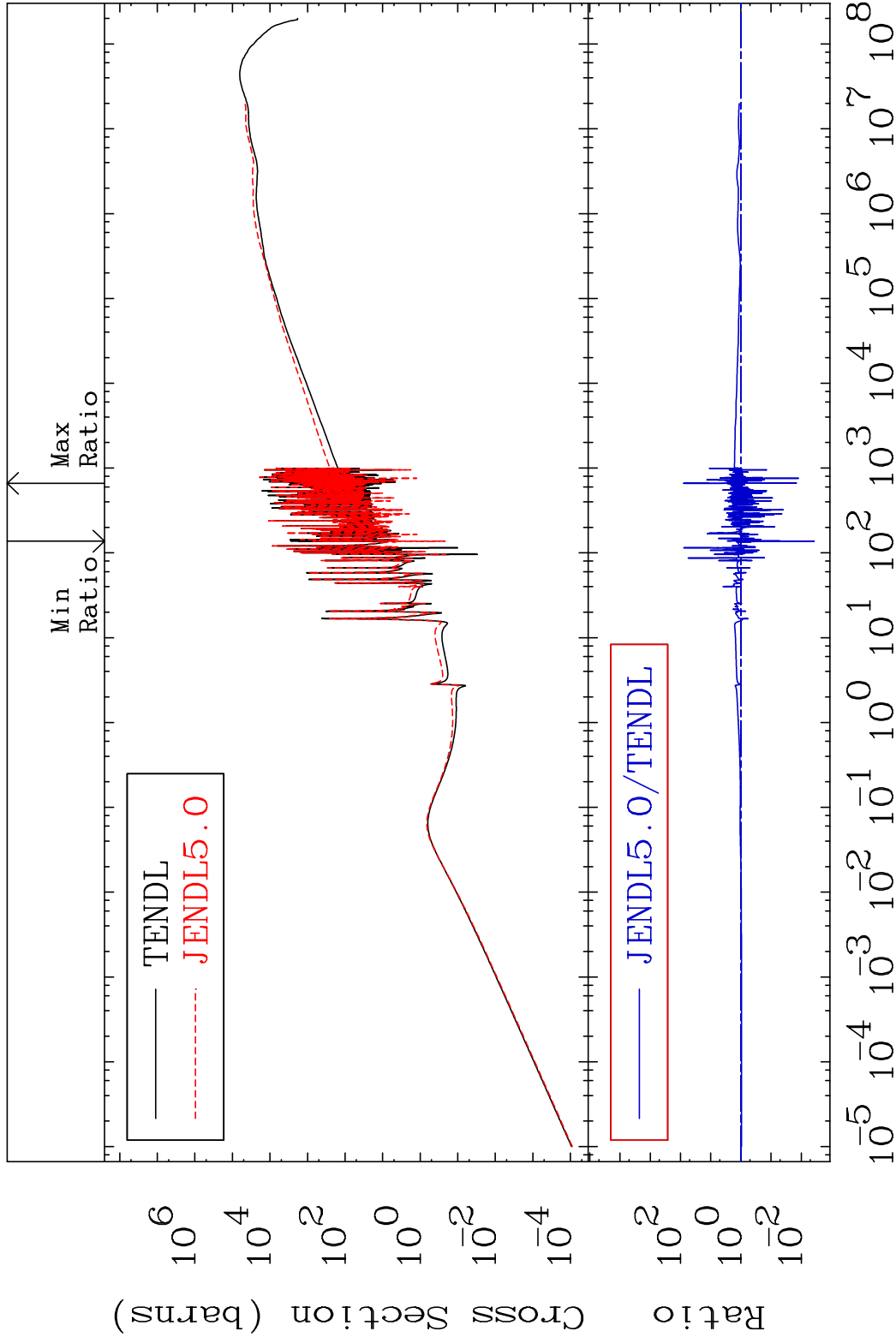


MAT 6440

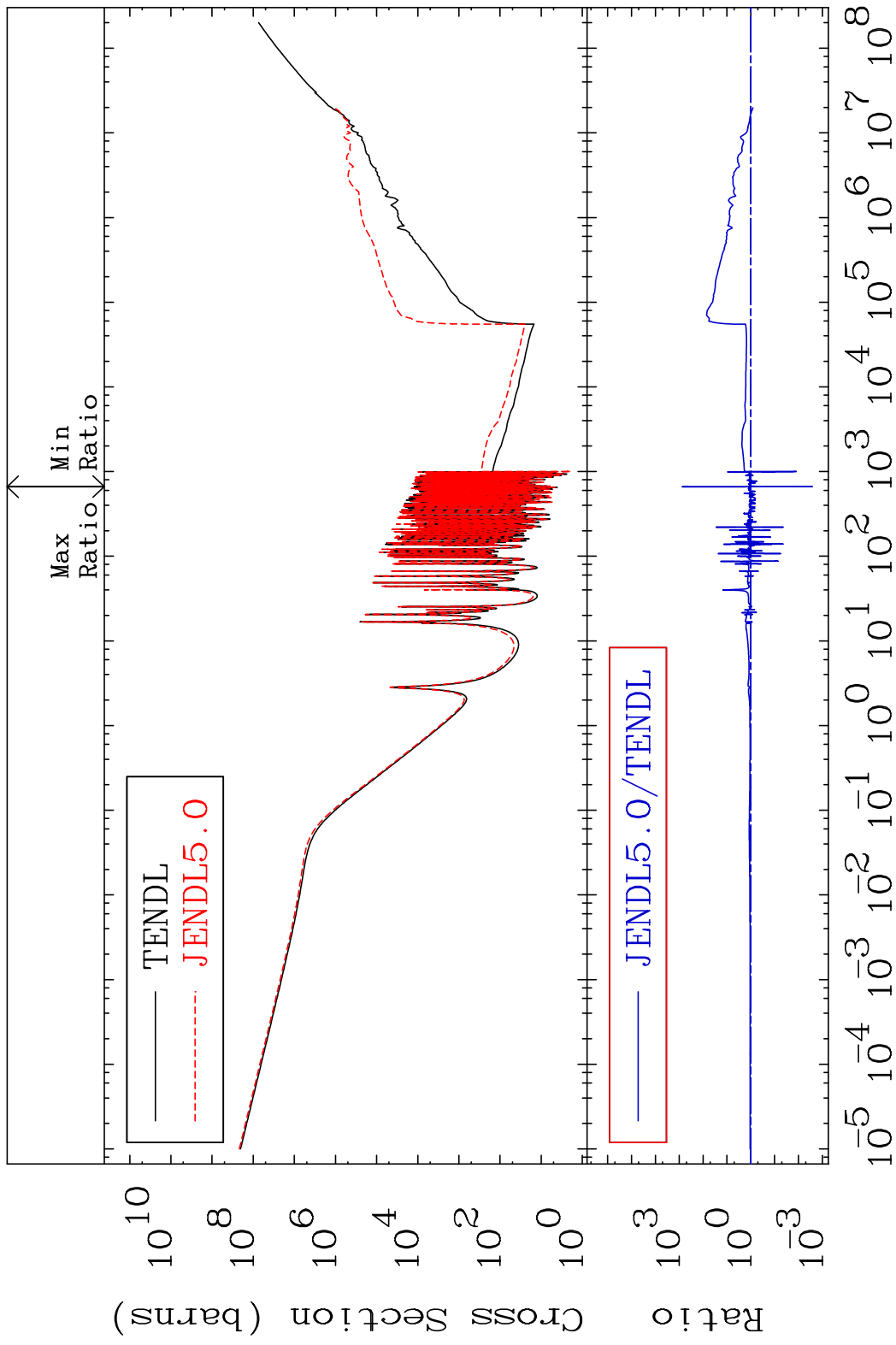
Kerma elastic

64-Gd-157

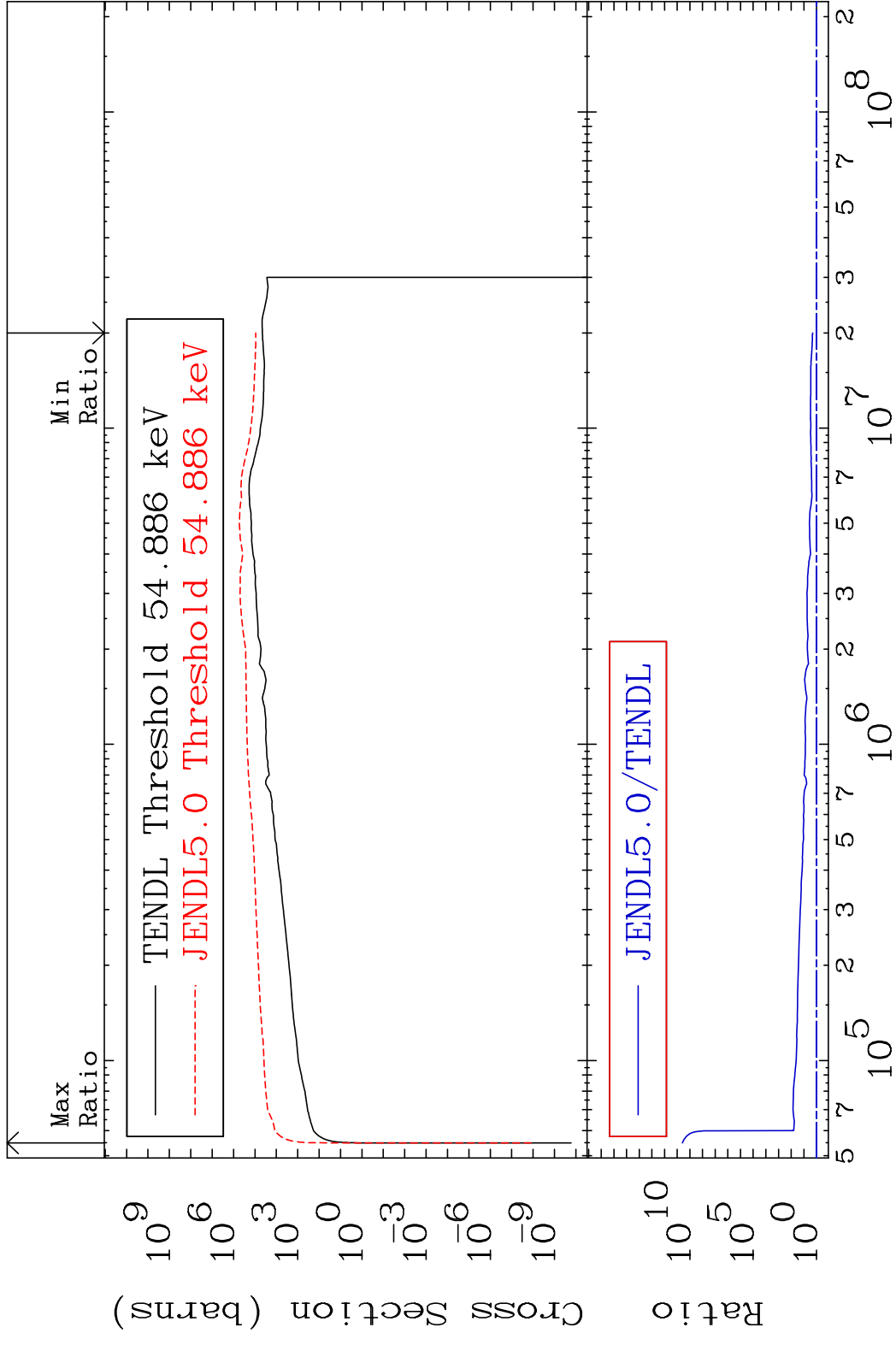
Cross Section -99.62 To 7726. %



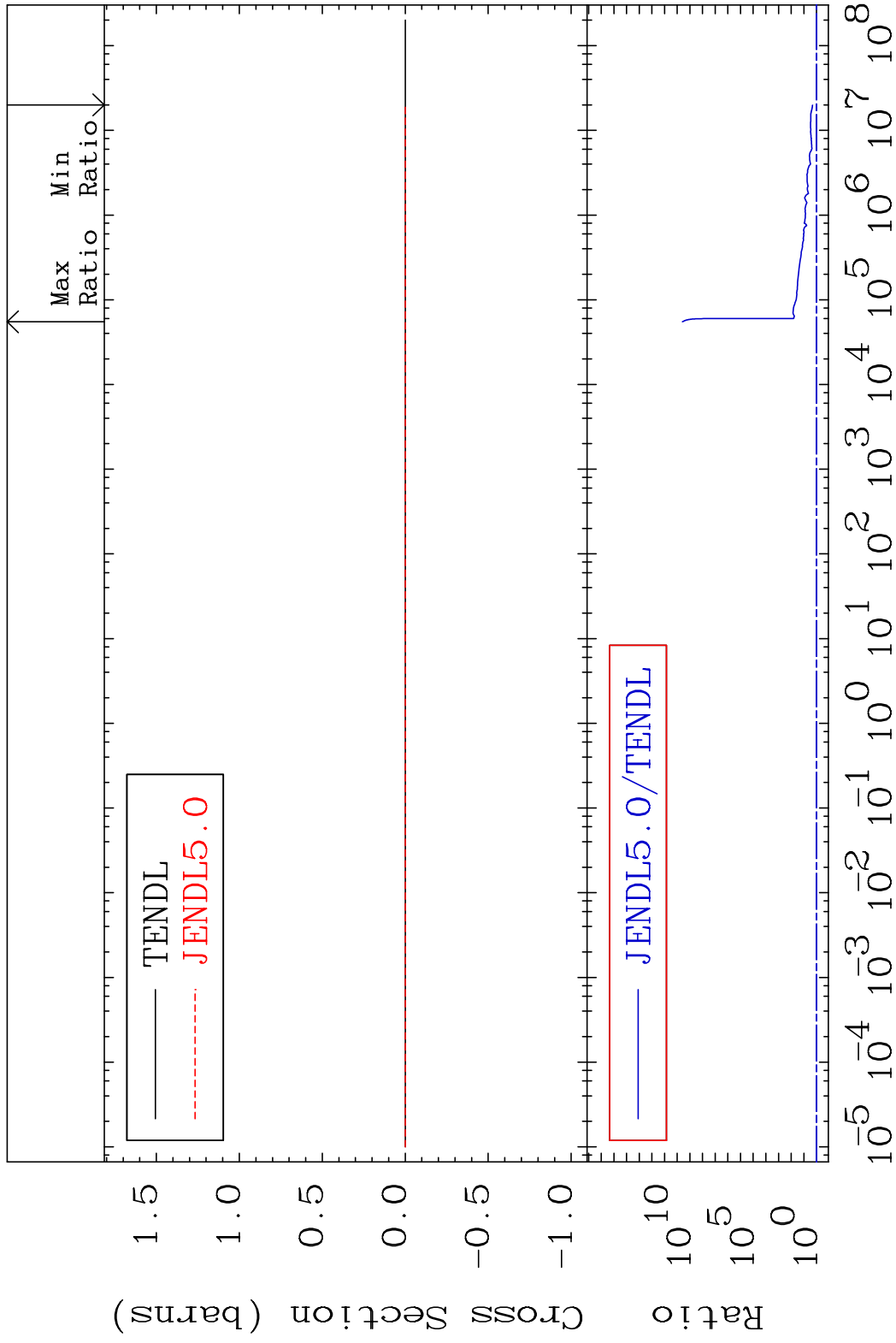
MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157
 Cross Section -99.74 To 9999. %



MAT 6440 Kerma inelastic (mt51-91) 64-Gd-157
 Cross Section 105.1 To 9999. %



MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157
 Cross Section 105.1 To 9999. %

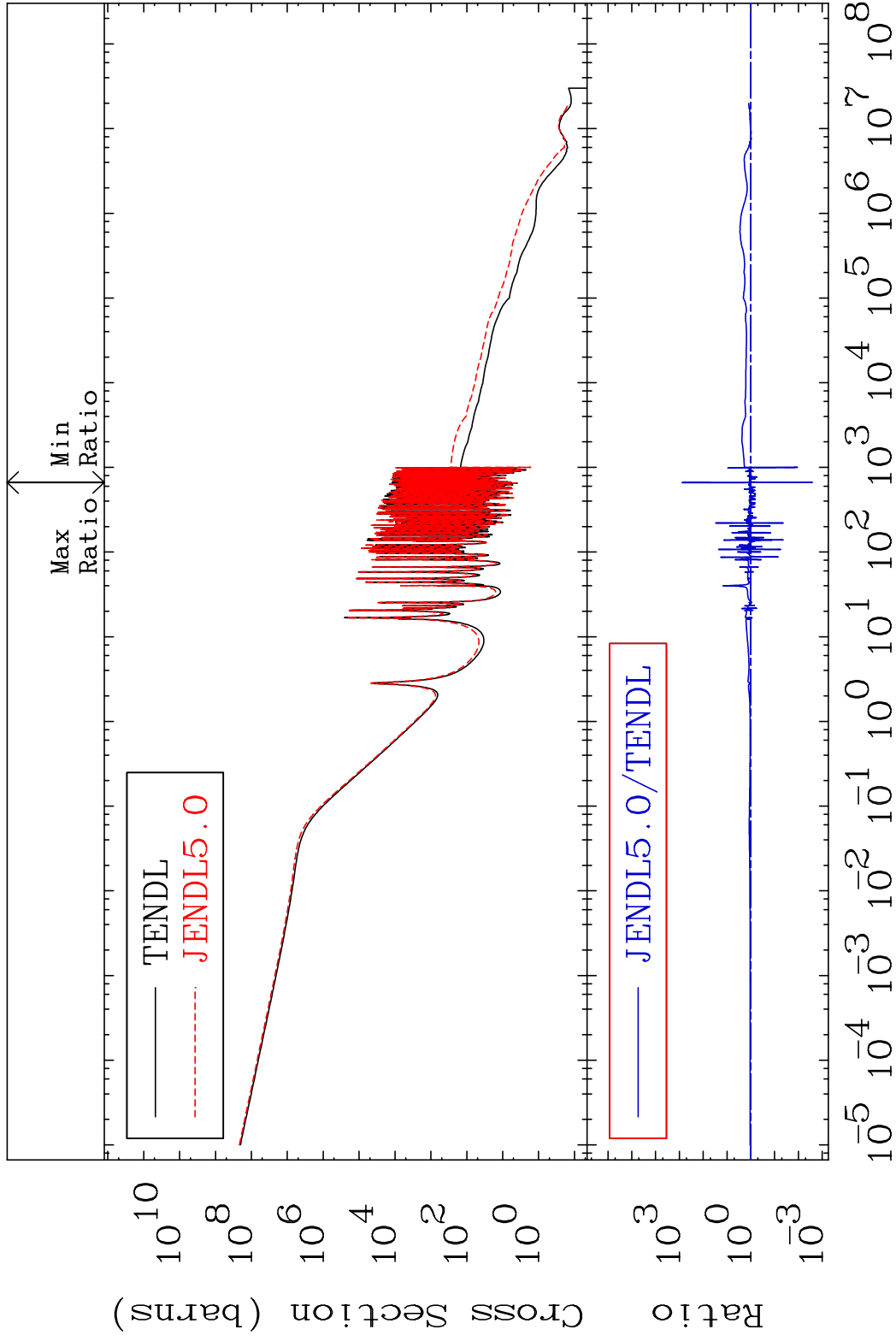


MAT 6440

Kerma capture (mt102)

64-Gd-157

Cross Section -99.75 To 9999. %



58

Incident Energy (eV)

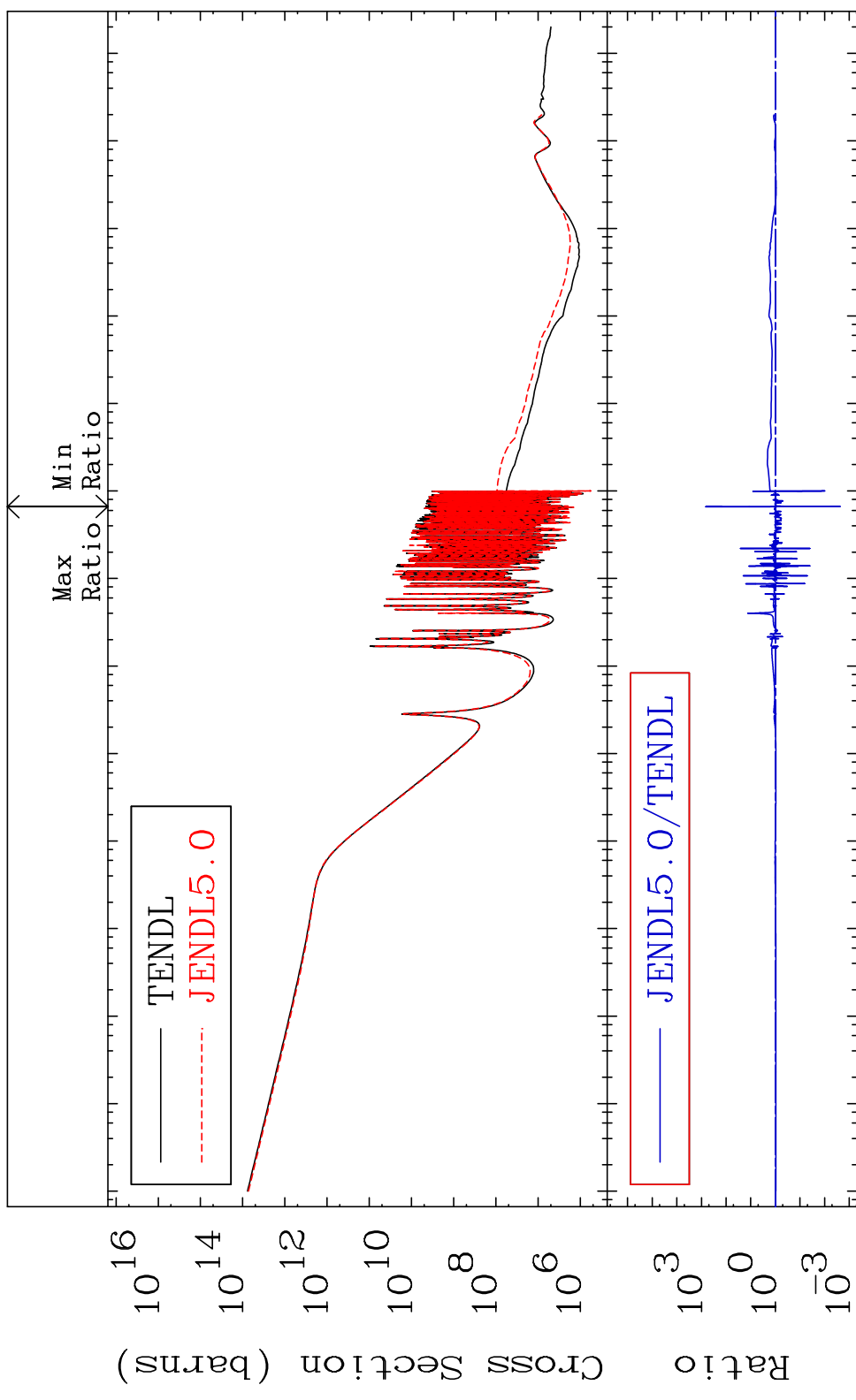
64-Gd-157

MAT 6440

Total photon (eV-barns)

64-Gd-157

Cross Section -99.77 To 9999. %

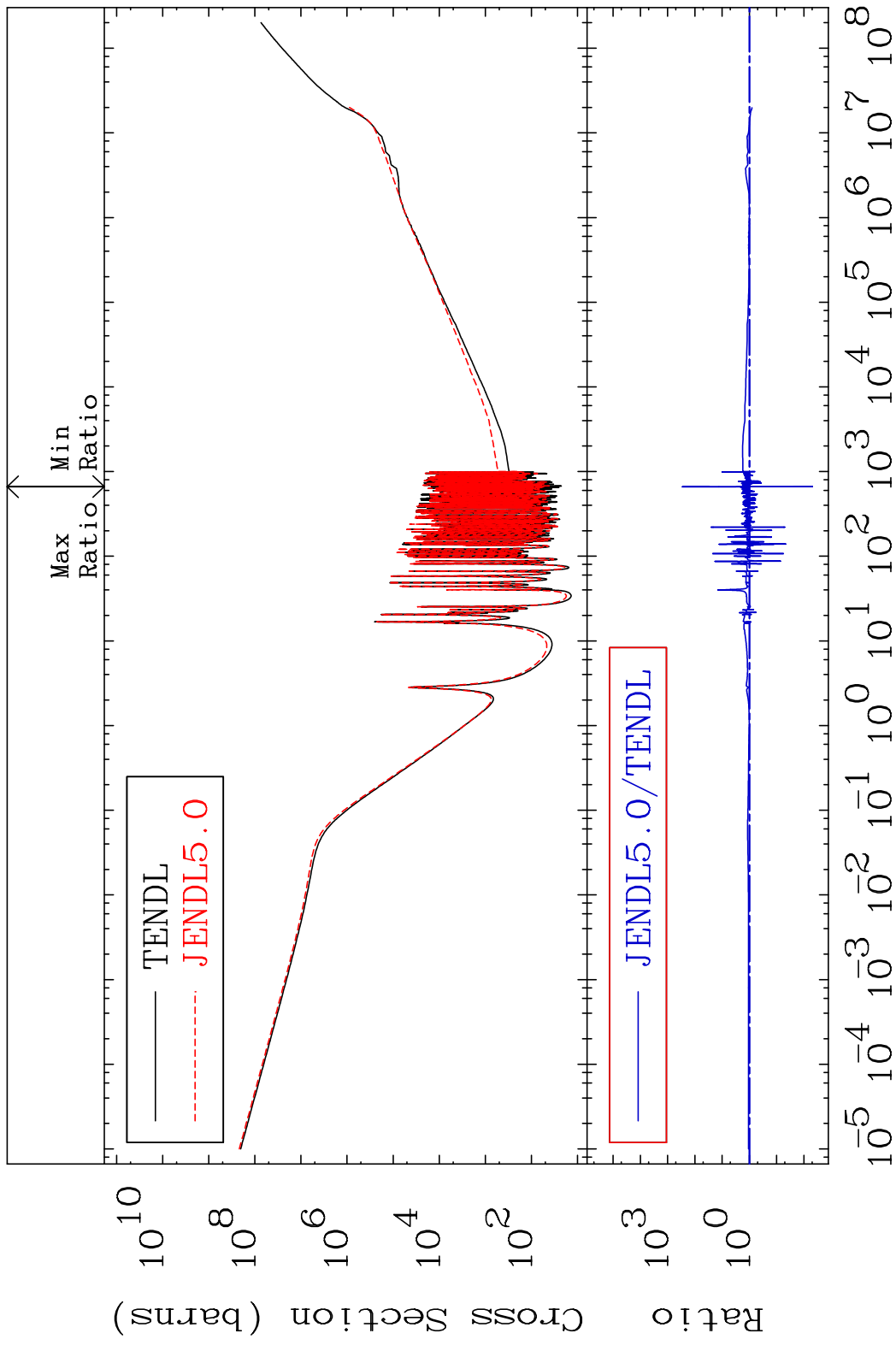


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Incident Energy (eV)

64-Gd-157

MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
Cross Section -99.52 To 9999. %

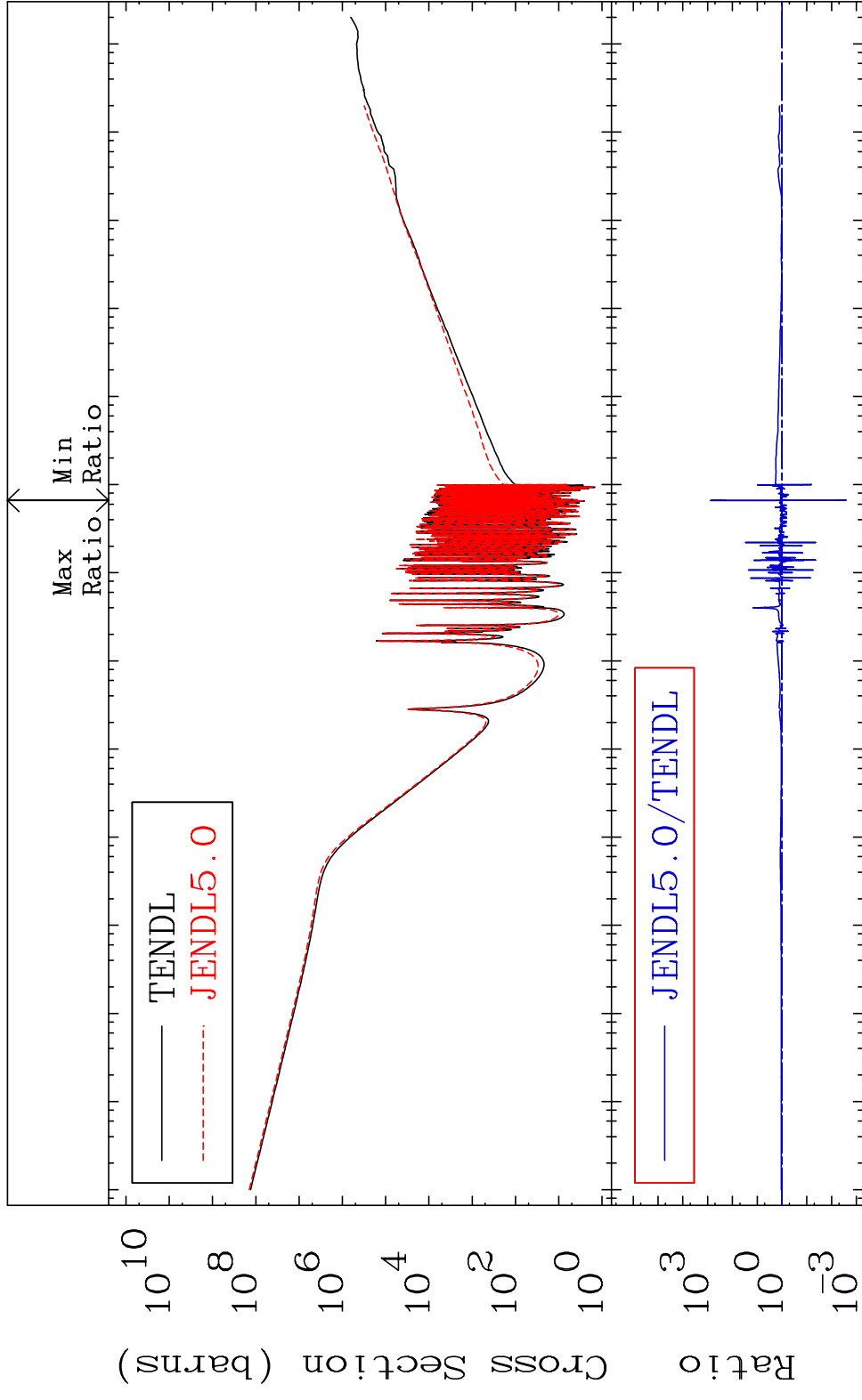


MAT 6440

Dpa total (eV-barns)

64-Gd-157

Cross Section -99.74 To 9999. %

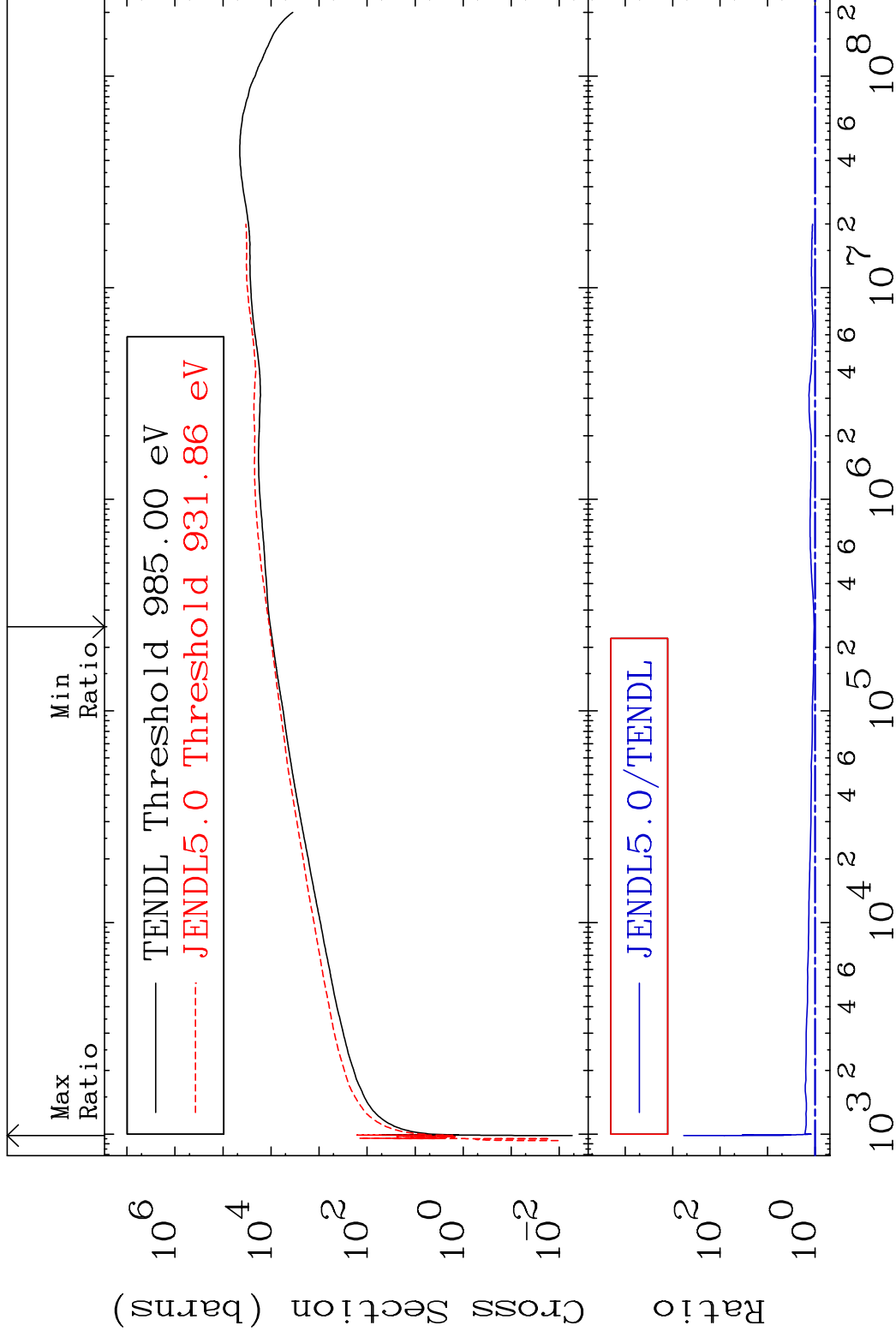


MAT 6440

Dpa elastic (mt2)

64-Gd-157

Cross Section 4.680 To 9999. %

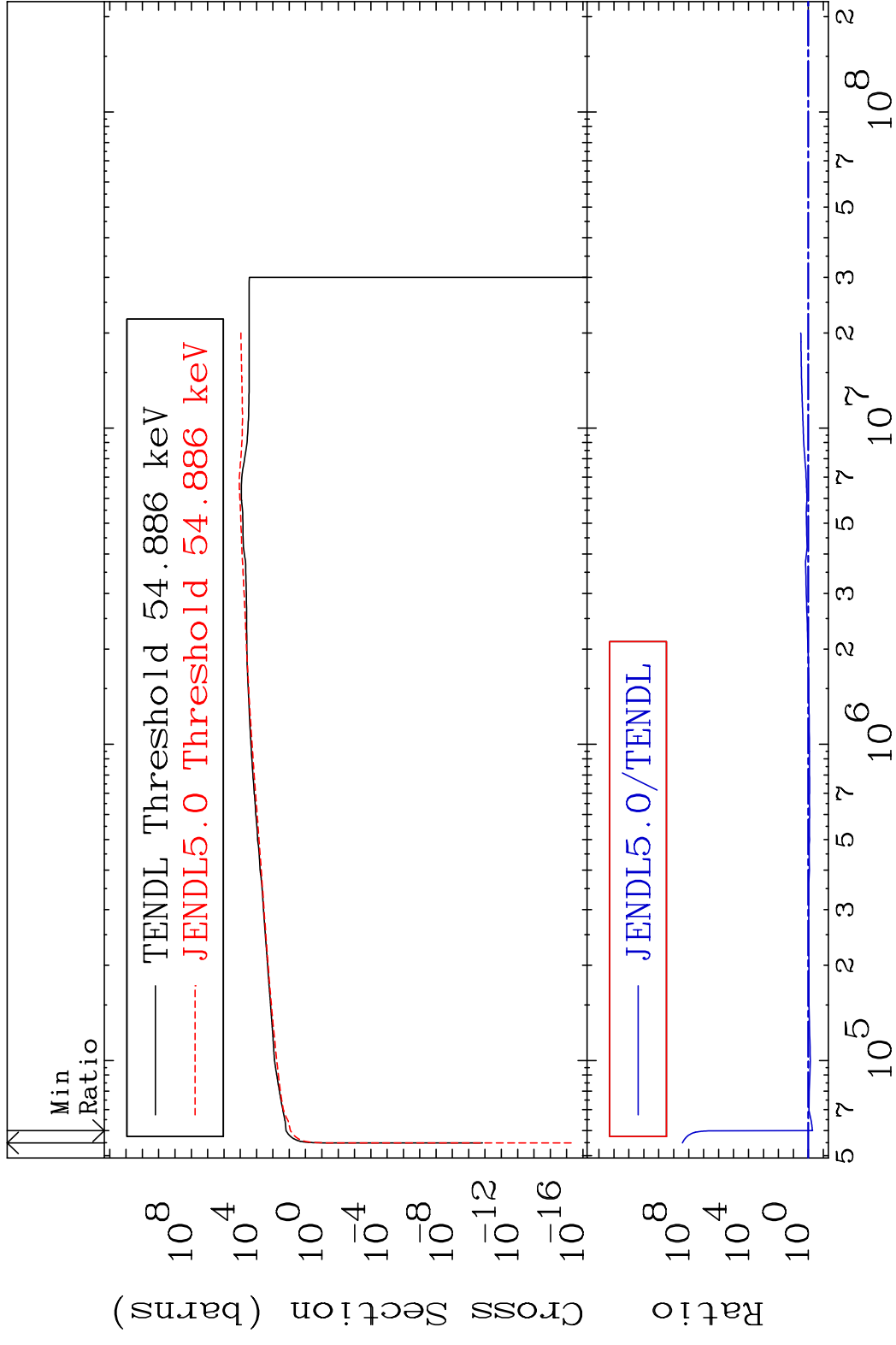


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Incident Energy (eV)

64-Gd-157

MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157
 Cross Section -47.76 To 9999. %



MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -99.74 To 9999. %

